

CITY OF KANSAS CITY, MISSOURI

PUBLIC WORKS DEPARTMENT

GREGORY BOULEVARD STREETScape

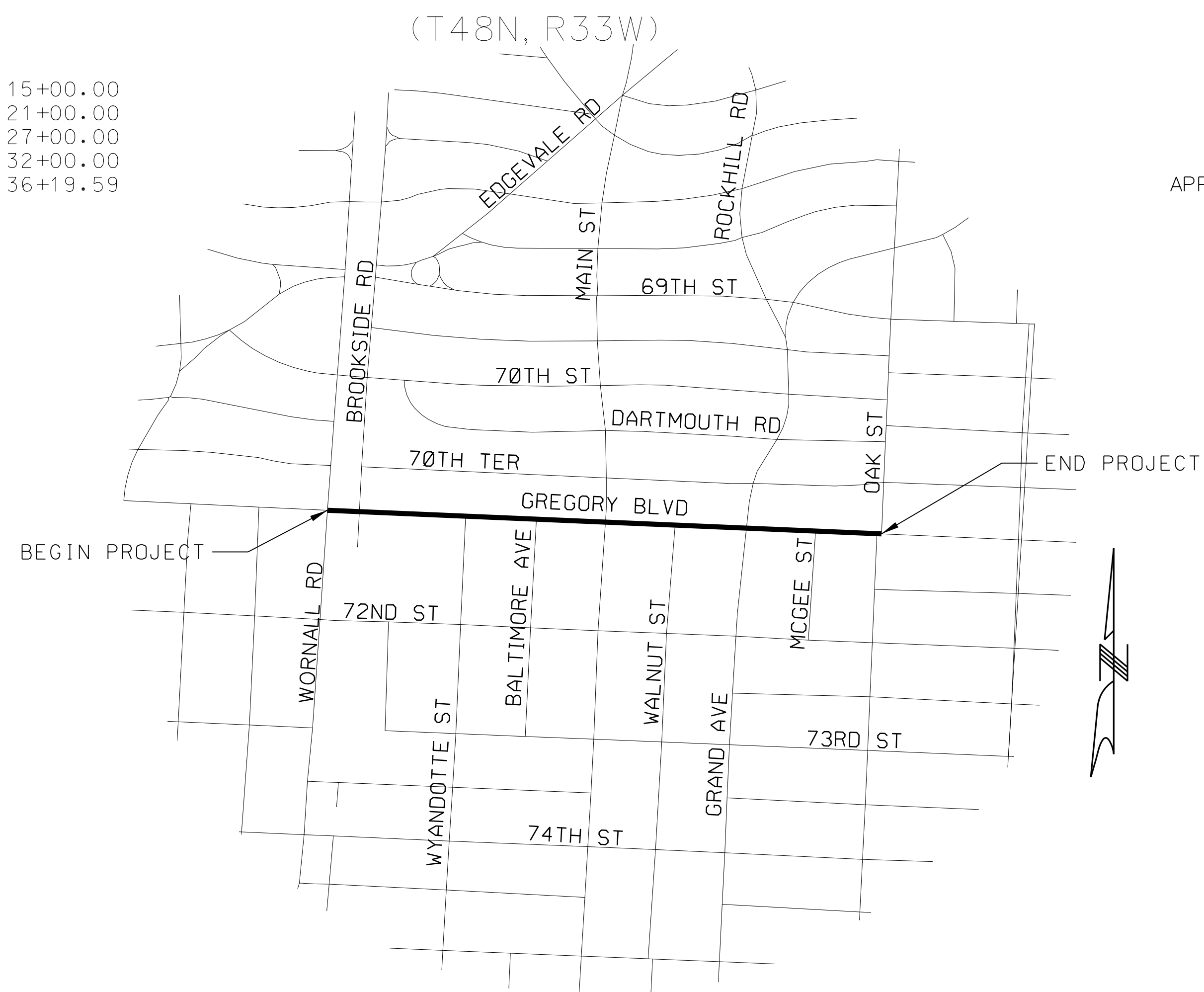
60% SUBMITTAL - APRIL 2021

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NOT FOR CONSTRUCTION

PROJECT NO.:



APPROVED BY _____
PROJECT MANAGER

CITY ENGINEER

DIRECTOR OF PUBLIC WORKS

ENTRY NO.

PROJECT NO. _____ C.D. NO. _____

LENGTH OF PROJECT	
END OF PROJECT	STA 36+19.59 CL GREGORY BLVD
BEGINNING OF PROJECT	STA 10+00.00 CL GREGORY BLVD
PROJECT LENGTH	2619.59 FEET
EQUATIONS & EXCEPTIONS	N/A
TOTAL PROJECT LENGTH	2619.59 FEET (0.496 MILES)

TREKK
DESIGN GROUP, LLC
1411 E 104th St
Kansas City, MO 64131
Tel (816) 874-4655
Cert. of Authority: 2002010300

HNTB
The HNTB COMPANIES
INFRASTRUCTURE SOLUTIONS
715 Kirk Drive
Kansas City, MO 64105
Phone: 816-472-1201

SCALE FOR 22"x34": NOT TO SCALE	
FILENAME: 75525 - G001.dgn	
CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
G001	1

GENERAL NOTES

- THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CURRENT "CITY STANDARDS" AND SPECIFICATIONS OF THE PUBLIC WORKS DEPARTMENT, KANSAS CITY, MISSOURI, EXCEPT AS NOTED.
- THIS PROJECT WAS BASED ON BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY THE CITY OF KANSAS CITY, MISSOURI AND TREKK. THE ORIGINAL SURVEY WAS LATER SUPPLEMENTED BY TREKK.
- ALL MANHOLES, CATCH BASINS, UTILITY VALVES, AND METER PITS SHALL BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL DOWNSTREAM EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION. EROSION CONTROL SYSTEMS AND PROCEDURES SHALL BE IN PLACE PRIOR TO GRADING OPERATIONS.
- THE INFORMATION SHOWN ON THESE PLANS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION AND/OR MAKING HIS OWN VERIFICATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
- DURING CONSTRUCTION, ACCESS SHALL BE MAINTAINED FOR EMERGENCY VEHICLES AND LOCAL TRAFFIC. THE FIRE, POLICE, KKK- AND PUBLIC WORKS DEPARTMENT ARE TO BE NOTIFIED PRIOR TO ANY STREET CLOSURES. A PERMIT IS REQUIRED FROM STREET AND TRAFFIC DIVISION FOR STREET CLOSURES. NO STREET WILL BE CLOSED WITHOUT THE APPROVAL OF THE CITY ENGINEER OR AS NOTED HEREIN.
- THE CITY OF KANSAS CITY, MISSOURI SHALL PROVIDE EARTHWORK AND MATERIAL TESTING SERVICES.
- CONSTRUCTION STAKING SHALL BE PROVIDED BY THE CONTRACTOR AS OUTLINED IN THE SPECIFICATIONS.
- CONTRACTOR SHALL CONTACT AND COORDINATE WITH APPROPRIATE UTILITY COMPANY FOR REMOVALS OR RELOCATIONS OF UNDERGROUND MAINS, UNDERGROUND SERVICE LINES AND ABOVE GROUND UTILITY APPURTENANCES (SUCH AS POWER POLES) SEEN OR UNSEEN WITHIN THE GRADING LIMITS THAT ARE IN CONFLICT WITH PROPOSED CONSTRUCTION.
- ALL EXISTING ROADWAY SURFACES WITHIN THE GRADING LIMITS ARE TO BE REMOVED UNLESS INDICATED OTHERWISE.
- ALL EXISTING SIDEWALKS WITHIN THE GRADING LIMITS ARE TO BE REMOVED UNLESS INDICATED ON THE PLANS TO REMAIN IN PLACE.
- ALL LANDSCAPING, INCLUDING SHRUBS, WITHIN THE GRADING LIMITS SHALL BE REMOVED AS NECESSARY FOR PROPOSED CONSTRUCTION UNLESS INDICATED ON THE PLANS TO LEAVE IN PLACE. SALVAGE ITEMS TO PROPERTY OWNERS AS REQUESTED.
- ALL DISTURBED LAWN AND GRASSED AREAS SHALL BE SODDED UNLESS NOTED OTHERWISE ON THE PLANS.
- SAWCUT EXISTING PAVEMENT, INCLUDING SIDEWALKS, FULL DEPTH WHERE IT MEETS NEW PAVEMENT.
- CONTRACTOR SHALL RESET ALL PROPERTY SURVEY MONUMENTS, INCLUDING PROPERTY CORNERS, SECTION CORNERS, AND KCMO BENCHMARKS, DESTROYED OR REMOVED DUE TO CONSTRUCTION.
- EXISTING WATER SERVICE VALVE COVERS WITHIN THE PROJECT ARE TO BE ADJUSTED TO MATCH FINAL GRADES.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE REMAINING PORTIONS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR WHICH HE IS RESPONSIBLE PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND UPDATING THE SWPPP AS REQUIRED BY FEDERAL, STATE AND CITY REGULATIONS. REFER TO PROJECT SPECIFICATION SECTION XXXXX FOR ADDITIONAL INFORMATION.

SURVEY LEGEND

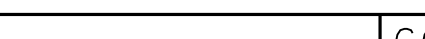
POWER POLE	 PP
LIGHT POLE	 LP
TELEPHONE POLE	 TP
OVERHEAD CONTACT SYSTEM	 OCS
SIGNAL (PEDESTRIAN, TRAF. TRAIN)	 PS,TS,TRAIN
TRAFFIC MAST	
ANCHOR	 GUY
UNDERGROUND POWER LINES	 UGE
OVERHEAD UTILITY LINES	 HE
UNDERGROUND TELEPHONE LINES	 UGT
UNDERGROUND FIBER LINES	 UF
UNDERGROUND CABLE TV LINES	 CTV
GAS LINE	 G
GAS SERVICE LINE	 GS
WATER LINE	 W
WATER SERVICE	 W/S
FIRE HYDRANT	 FH
WATER VALVE	 WV
WATER METER	 WM
WATER MANHOLE	 WATER MH
CURB STOP	 CS
SPRINKLER CONTROL BOX	 SCB
CABLE TV PEDESTAL	 CATV PED
ELECTRIC METER	 EM
ELECTRIC TRANSFORMER	 TRANS
PULL BOX	 PB
TELEPHONE PEDESTAL	 TELE PED
GAS METER	 GV
GAS VALVE	 GV
MAIL BOX	 MB
SIGN	
TREE (DIA.)	 12"
PINE TREE (DIA.)	 12"
BUSH	
TREE LINE	
GUARD POST	 GP
FENCE	 X
GUARD RAIL	
YARD LIGHT	 YL
TRASH CAN	



PLAN LEGEND

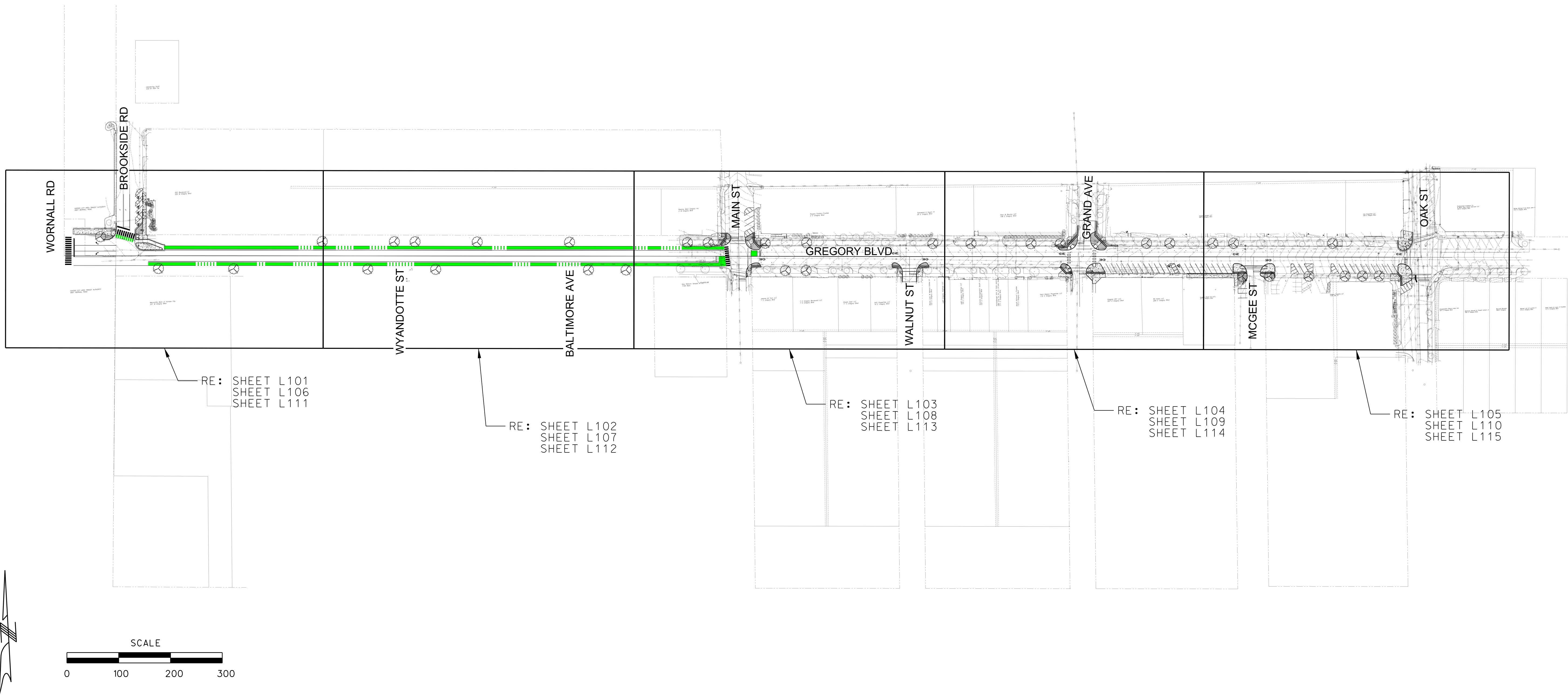
TYPICAL ABBREVIATIONS


	- AT
&	- AND
ADA	- AMERICANS WITH DISABILITIES ACT
APWA	- AMERICAN PUBLIC WORKS ASSOCIATION
APPROX	- APPROXIMATE
AWWA	- AMERICAN WATER WORKS ASSOCIATION
BM	- BENCHMARK
BL	- BASE LINE
CJ	- CONTROL JOINT
CL	- CENTER LINE
CMP	- CORRUGATED METAL PIPE
CU FT	- CUBIC FEET
CU YD	- CUBIC YARD
DIA	- DIAMETER
DIP	- DUCTILE IRON PIPE
DWG	- DRAWING
EA	- EACH
EL	- ELEVATION
EQ	- EQUAL
ESMT	- EASEMENT
FH	- FIRE HYDRANT
FL	- FLOW LINE
FT	- FEET
K	- RATE OF VERTICAL CURVATURE
KCMO	- CITY OF KANSAS CITY MISSOURI
LF	- LINEAR FEET
MH	- MANHOLE
MUTCD	- MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NA	- NOT APPLICABLE
NTS	- NOT TO SCALE
PC	- POINT OF CURVATURE
PI	- POINT OF INTERSECTION
PL	- PROPERTY LINE
PVC	- POINT OF CURVATURE ON VERTICAL CURVE
PVC	- POLYVINYL CHLORIDE PIPE
PVT	- POINT OF TANGENCY ON VERTICAL CURVE
QTY	- QUANTITY
R	- RADIUS
RCAP	- REINFORCED CONCRETE ARCH PIPE
RCP	- REINFORCED CONCRETE PIPE
RE:	- REFERENCE
REV	- REVISION
R/W	- RIGHT OF WAY
ROW	- RIGHT OF WAY
SF	- SQUARE FEET
SY	- SQUARE YARD
STA	- STATION
STD	- STANDARD
THRU	- THROUGH
TYP	- TYPICAL
VC	- VERTICAL CURVE
W/	- WITH
W/O	- WITHOUT
WL	- WATER LINE
WM	- WATER METER
WWF	- WELDED WIRE FABRIC

GRADING LEGEND

REV	DATE	DESCRIPTION	DESIGNED BY	WHM		60% SUBMITTAL	DATE:04/02/21	<div>GREGORY BOULEVARD STREETSCAPE</div> <div>GENERAL NOTES AND LEGENDS</div>	SCALE FOR 22"x34": NOT TO SCALE FILENAME: 75525 - G002.dgn CONTRACT NO.:	
			CHECKED BY	CJH		<div>HNTB</div> <div>The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201</div>	NOT FOR CONSTRUCTION		VOLUME: *1 DRAWING NO.: G002	SHEET NO.: 2
			DRAWN BY	JWP						
			CHECKED BY	WHM						
			APPROVED BY							
PLOT DATE: 04/02/21		12:03:57 PM		DATE		04/02/21				

REV	DATE	DESCRIPTION	DESIGNED BY	WHM			60% SUBMITTAL	DATE:04/02/21	GREGORY BOULEVARD STREETScape	SCALE FOR 22"x34": NOT TO SCALE
			CHECKED BY	CJH			 The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201			FILENAME:
			DRAWN BY	JWP						75525 - G003.dgn
			CHECKED BY	WHM						CONTRACT NO.:
			APPROVED BY				VOLUME:			
							*1	DRAWING NO.:	SHEET NO.:	
PLOT DATE: 04/02/21			12:04:02 PM		DATE	04/02/21	NOT FOR CONSTRUCTION		G003	3



REV	DATE	DESCRIPTION	DESIGNED BY	WHM			60% SUBMITTAL		DATE:04/02/21		<div>GREGORY BOULEVARD STREETScape</div> <div>GENERAL LAYOUT</div>	SCALE FOR 22"x34": AS NOTED	
			CHECKED BY	CJH			<div>HNTB</div> <div>The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201</div>		NOT FOR CONSTRUCTION			FILENAME: 75525 - G004.dgn	
			DRAWN BY	JWP								CONTRACT NO.:	
			CHECKED BY	WHM								VOLUME: #1	
			APPROVED BY									DRAWING NO.:	
PLOT DATE: 04/02/21		12:04:23 PM		DATE			04/02/21					G004	4

SURVEYORS NOTES:

1. THIS EXHIBIT DOES NOT REPRESENT A BOUNDARY SURVEY.
2. UTILITIES SHOWN HEREON AS MARKED BY MISSOURI ONE-CALL, EXHIBITS/MAPS IF PROVIDED AND VISUAL OBSERVATION UNLESS OTHERWISE NOTED. THIS SURVEYOR MAKES NO GUARANTEE AS TO ACCURACY OR COMPLETENESS OF SAID LOCATES. CONTRACTOR TO FIELD VERIFY BEFORE ANY EXCAVATION.

COORDINATES SHOWN HEREON ARE BASED ON THE MISSOURI STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD 83 (2011), VERTICAL DATUM IS NAVD 88 AND ALL IS SHOWN IN U.S. SURVEY FEET. A TRIMBLE RB RTK RECEIVER WAS UTILIZED AND THE GPS BASE STATION FOR THE PROJECT WAS MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION GLOBAL NAVIGATION SATELLITE REAL TIME NETWORK. PROJECT INITIAL START DATE IS JUNE 2020.

PROJECT COORDINATES ARE CALCULATED FROM A POINT CENTRALIZED TO THIS SPECIFIC PROJECT, STARTING WITH MISSOURI STATE PLANE GRID FEET, APPLYING A COMBINED AVERAGE FACTOR OF 0.99990133 TO CREATE GROUND FEET AND THEN SUBTRACTING THE TWO FOR A CALCULATED SHIFT DIFFERENCE, THEN APPLYING THE CALCULATED SHIFT DIFFERENCE TO CREATE PROJECT COORDINATES.

CENTRALIZED POINT: GRID NORTHING 1031475.6290 EASTING 2763317.7203
DIVIDE BY 0.99990133
EQUALS GROUND NORTHING 1031577.4147 EASTING 27635904038
SHIFT DIFFERENCE: NORTHING -101.7857 EASTING -272.6835

SHIFT DIFFERENCE: GROUND NORTHING -101.7857 = PROJECT NORTHING
GROUND EASTING -272.6835 = PROJECT EASTING

CHECKED MISSOURI GEOGRAPHIC REFERENCE SYSTEM STATION JA-116

GRID METERS
NORTHING 315521.089 / EASTING 841947.394 / ELEVATION 292.5

GROUND FEET
NORTHING 1035274.2556 / EASTING 2762561.6543 / ELEVATION 959.64

PROJECT COORDINATES FEET
NORTHING 1035172.4699 / EASTING 2762288.9708 / ELEVATION 959.64

MEASURED WITH TRIMBLE GPS
NORTHING 1035172.3541 / EASTING 2762289.0180 / ELEVATION 959.61

HORIZONTAL AND VERTICAL CONTROL

CP 1 SET 1/2" IRON BAR AT NORTHWEST CORNER OF GREGORY BOULEVARD AND BROOKSIDE ROAD.

RM-1 17.85' @ 48° TO NEAR FACE OF LIGHT POLE
RM-2 321.47' @ 266° TO NAIL AND SHINER IN NEAR FACE OF POWER POLE
RM-3 16.17' @ 340° TO CHISELED BOX ON TOP OF CURB

NORTHING 1031556.067 / EASTING 2762155.446 / ELEVATION 975.28

CP 2 SET 1/2" IRON BAR AT THE SOUTHEAST CORNER OF GREGORY BOULEVARD AND WYANDOTTE STREET.

RM-1 20.64' @ 217° TO CENTER OF STORM MANHOLE
RM-2 56.34' @ 275° TO CENTER OF STORM MANHOLE
RM-3 8.98' @ 341° TO CENTER OF SANITARY MANHOLE

NORTHING 1031460.501 / EASTING 2762736.980 / ELEVATION 960.92

CP 3 SET 1/2" IRON BAR AT NORTHWEST CORNER OF GREGORY BOULEVARD AND MAIN STREET.

RM-1 12.82' @ 33° TO NEAR FACE OF LIGHT POLE
RM-2 12.04' @ 243° TO CENTER OF STORM MANHOLE
RM-3 14.90' @ 334° TO SE CORNER OF PERKINS SIGN POST

NORTHING 1031479.427 / EASTING 2763330.816 / ELEVATION 954.90

CP 4 SET MAG NAIL IN NORTH EDGE OF SIDEWALK ALONG NORTH SIDE OF GREGORY BLVD., EAST SIDE OF ENTRANCE TO PARKING LOT FOR BLDG. #20.

RM-1 52.75' @ 115° TO NEAR FACE OF LIGHT POLE
RM-2 54.91' @ 268° TO NEAR FACE OF LIGHT POLE
RM-3 49.74' @ 291° TO SE CORNER OF BLDG. #20

NORTHING 1031460.799 / EASTING 2763788.778 / ELEVATION 941.14

CP 5 SET 1/2" IRON BAR AT NW CORNER OF GREGORY BOULEVARD AND ROCKHILL ROAD.

RM-1 31.45' @ 77° TO CENTER OF SANITARY MANHOLE
RM-2 42.28' @ 132° TO CENTER OF SANITARY MANHOLE
RM-3 22.36' @ 262° TO CENTER OF STORM MANHOLE

NORTHING 1031441.436 / EASTING 2763998.235 / ELEVATION 933.46

CP 6 SET MAG NAIL AT SOUTHEAST CORNER OF GREGORY BOULEVARD AND McGEE STREET.

RM-1 8.63' @ 228° TO NE CORNER OF GRATE INLET
RM-2 53.06' @ 259° TO CENTER OF STORM MANHOLE
RM-3 35.89' @ 278° TO CENTER OF SANITARY MANHOLE

NORTHING 1031352.974 / EASTING 2764386.691 / ELEVATION 946.60

CP 7 SET MAG NAIL AT NORTHWEST CORNER OF GREGORY BOULEVARD AND OAK ST.

RM-1 18.91' @ 107° TO CENTER OF WATER VALVE
RM-2 14.20' @ 203° TO CENTER OF SANITARY MANHOLE
RM-3 58.38' @ 251° TO WATER MANHOLE

NORTHING 1031406.458 / EASTING 2764657.766 / ELEVATION 963.32

SANITARY NAIL # 1
TOP = 954
FL. IN (5)
FL. OUT (6)

BENCHMARK 1
CHISELED BOX ON TOP OF CURB AT SOUTHEAST CORNER OF KCATA PARKING LOT, LOCATED AT THE NORTHEAST CORNER OF WORNALL ROAD AND GREGORY BLVD.
ELEVATION = 976.34

BENCHMARK 2
CHISELED BOX ON SOUTHEAST CORNER OF CURB INLET AT SOUTHEAST CORNER OF GREGORY BOULEVARD AND WYANDOTTE STREET.
ELEVATION = 961.19

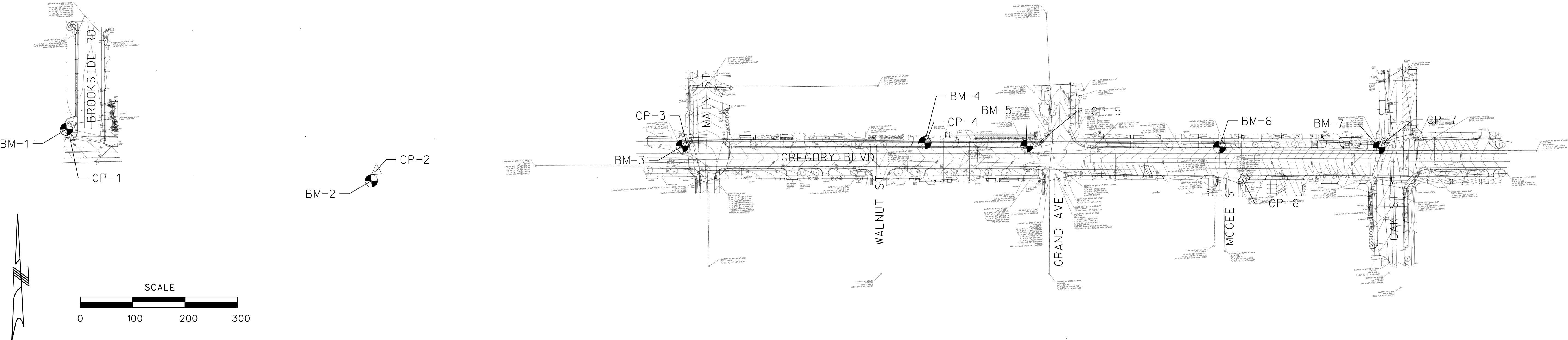
BENCHMARK 3
CHISELED BOX ON NORTHEAST CORNER OF CURB INLET AT NORTHWEST CORNER OF GREGORY BOULEVARD AND MAIN STREET.
ELEVATION = 959.14


BENCHMARK 4
CHISELED BOX ON TOP OF CURB AT RETURN INTO PARKING LOT ENTRANCE, 20 EAST GREGORY BLVD.
ELEVATION = 941.20

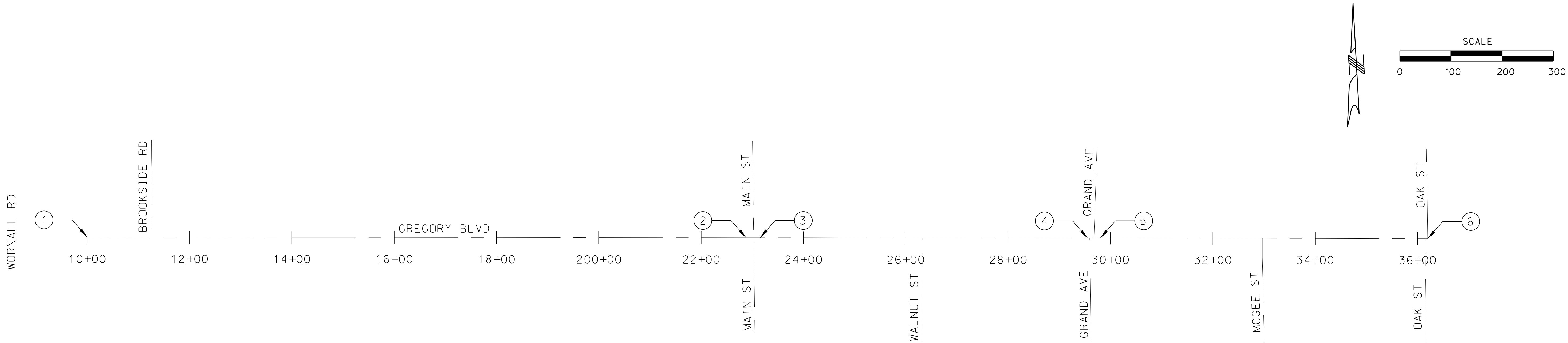
BENCHMARK 5
CHISELED BOX ON NORTHEAST CORNER OF CURB INLET LOCATED AT THE NORTHWEST CORNER OF GREGORY BOULEVARD AND ROCKHILL ROAD.
ELEVATION = 934.36

BENCHMARK 6
CHISELED "X" ON WESTERN BONNET BOLT FOR FIRE HYDRANT LOCATED ON THE NORTH SIDE OF GREGORY BLVD AND McGEE STREET.
ELEVATION = 945.97

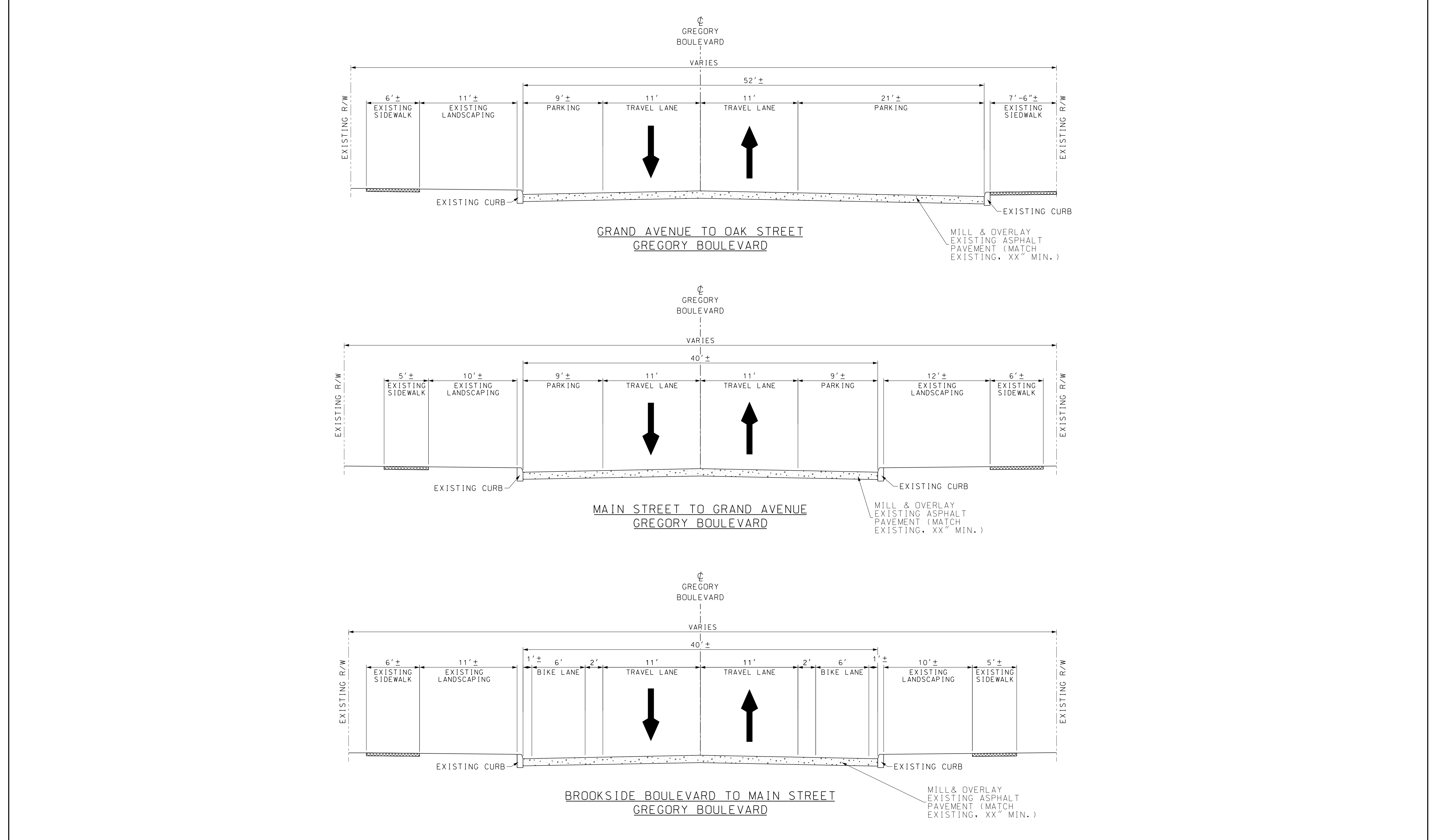
BENCHMARK 7
CHISELED BOX ON TOP OF CURB AT RETURN OF EAST ENTRANCE FOR BUILDING #340.
ELEVATION = 963.00

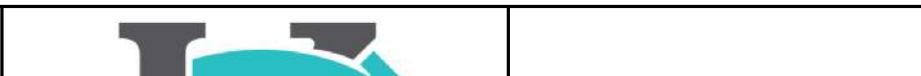
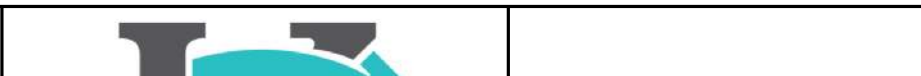


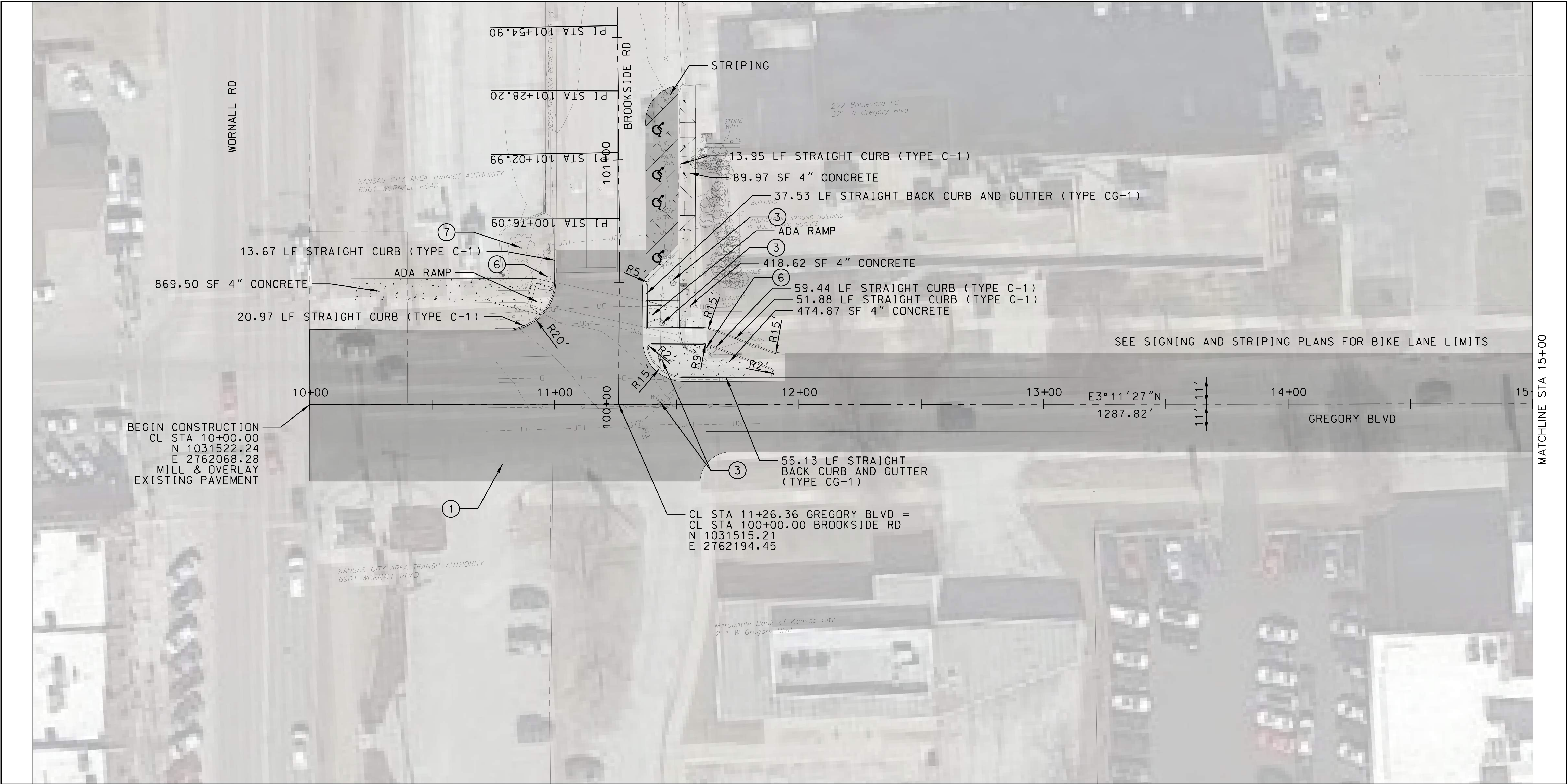
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			DRAWN BY	JWP					
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			APPROVED BY						
PLOT DATE: 04/02/21			12:04:32 PM		DATE	04/02/21		SURVEY CONTROL	VOLUME: #1 DRAWING NO.: SHEET NO.: G005 5
					NOT FOR CONSTRUCTION				



	GREGORY BLVD									
	POINT	STATION	NORTHING	EASTING	LENGTH	BEARING	RADIUS	XXX	CHORD LENGTH	CHORD BEARING
①	POB	10+00.00	1031522.24	2762068.28						
					1287.82'	E3° 11' 27"N				
②	PI	22+87.82	1031450.56	2763354.12						
					27.21'	E3° 7' 39"N				
③	PI	23+15.04	1031449.07	2763381.29						
					640.20'	E3° 12' 44"N				
④	PI	29+55.24	1031413.20	2764020.48						
					25.02'	E3° 33' 12"N				
⑤	PI	29+80.26	1031412.09	2764045.28						
					639.33'	E3° 15' 44"N				
⑥	POE	36+19.59	1031375.71	2764683.77						



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			DRAWN BY	JWP						CONTRACT NO.:	
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			APPROVED BY							•1	
PLOT DATE: 04/02/21			12:04:55 PM			NOT FOR CONSTRUCTION			DRAWING NO.:	SHEET NO.:	
			DATE				C001	7			



KEY NOTES

- ① SAW CUT AND REMOVE FULL DEPTH PAVEMENT

② RAISE EXISTING GAS VALVE COVER TO MATCH FINISH GRADE

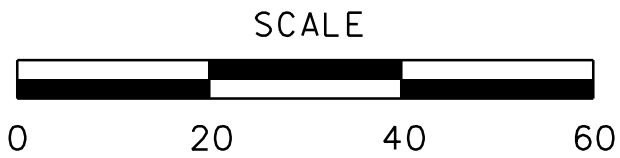
③ RAISE EXISTING WATER COVER TO MATCH FINISH GRADE

④ ADJUST STREET CROWN TO DIRECT RUN-OFF TO EXISTING INLET
- ⑤ REPLACE DRAIN BASIN RIM AND INSTALLED SALVAGED GRATES

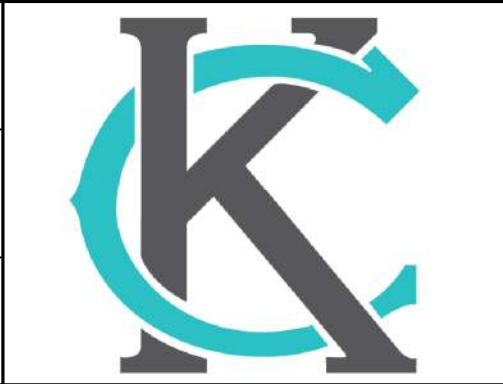
⑥ EXISTING STREET LIGHT TO REMAIN

⑦ PROTECT EXISTING TREE

⑧ PROTECT UTILITIES TO REMAIN



REV	DATE	DESCRIPTION	DESIGNED BY	WHM
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			DRAWN BY	JWP
			CHECKED BY	WHM
			APPROVED BY	
PLOT DATE: 04/02/21			DATE	12:05:19 PM



60% SUBMITTAL

DATE:04/02/21

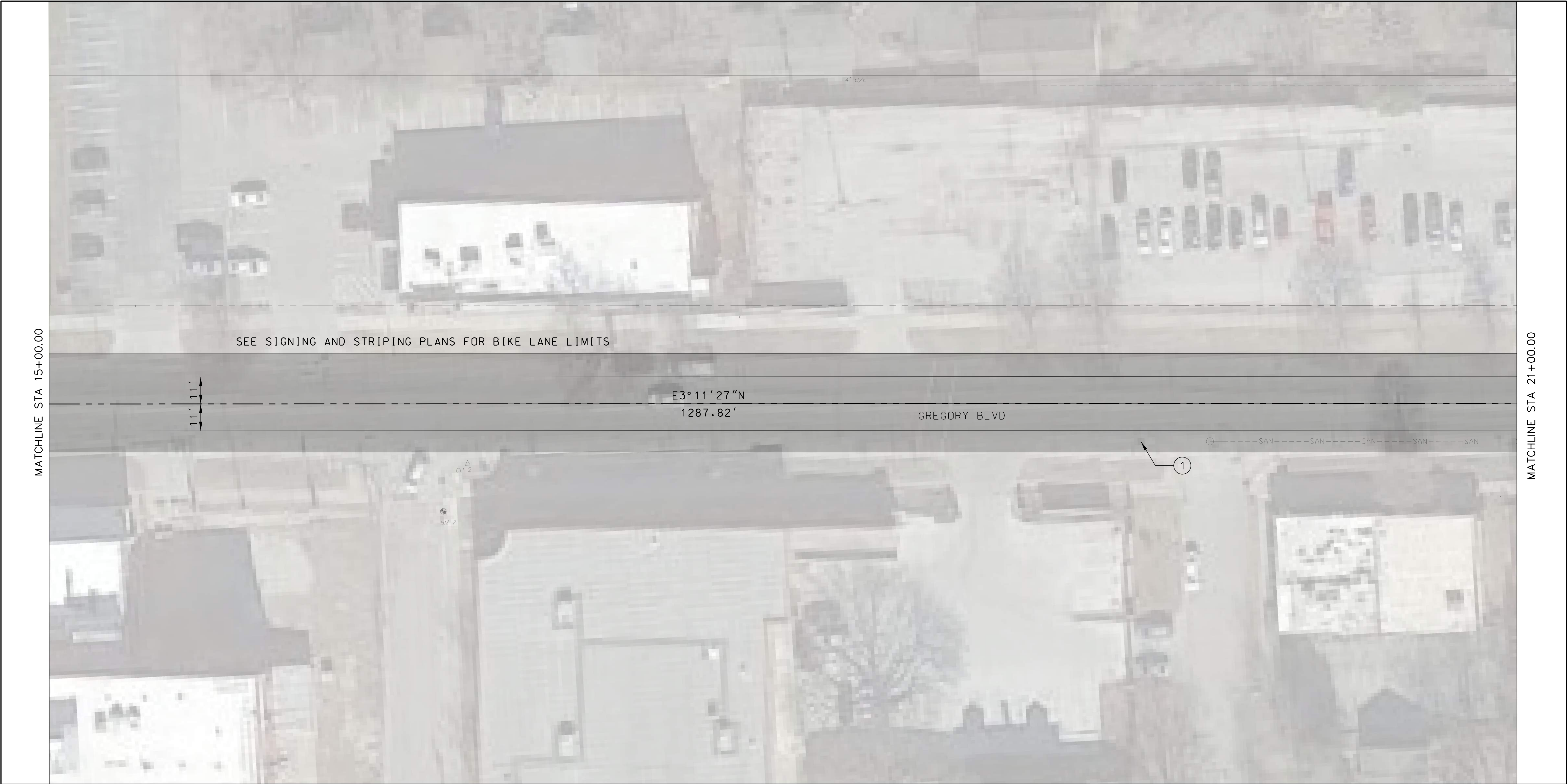
HNTB
The HNTB COMPANIES
INFRASTRUCTURE SOLUTIONS
715 KKK Drive
Kansas City, MO 64105
Phone: 816-472-1201

NOT FOR CONSTRUCTION

GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
ROADWAY PLAN
STA 10+00.00 TO STA 15+00.00

SCALE FOR 22"x34": AS NOTED	
FILENAME: 75525 - L101.dgn	
CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
L101	8



KEY NOTES

- ① SAW CUT AND REMOVE FULL DEPTH PAVEMENT

② RAISE EXISTING GAS VALVE COVER TO MATCH FINISH GRADE

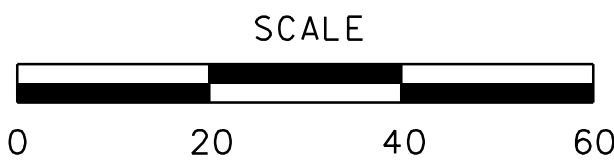
③ RAISE EXISTING WATER COVER TO MATCH FINISH GRADE



④ ADJUST STREET CROWN TO DIRECT RUN-OFF TO EXISTING INLET
- ⑤ REPLACE DRAIN BASIN RIM AND INSTALLED SALVAGED GRATES

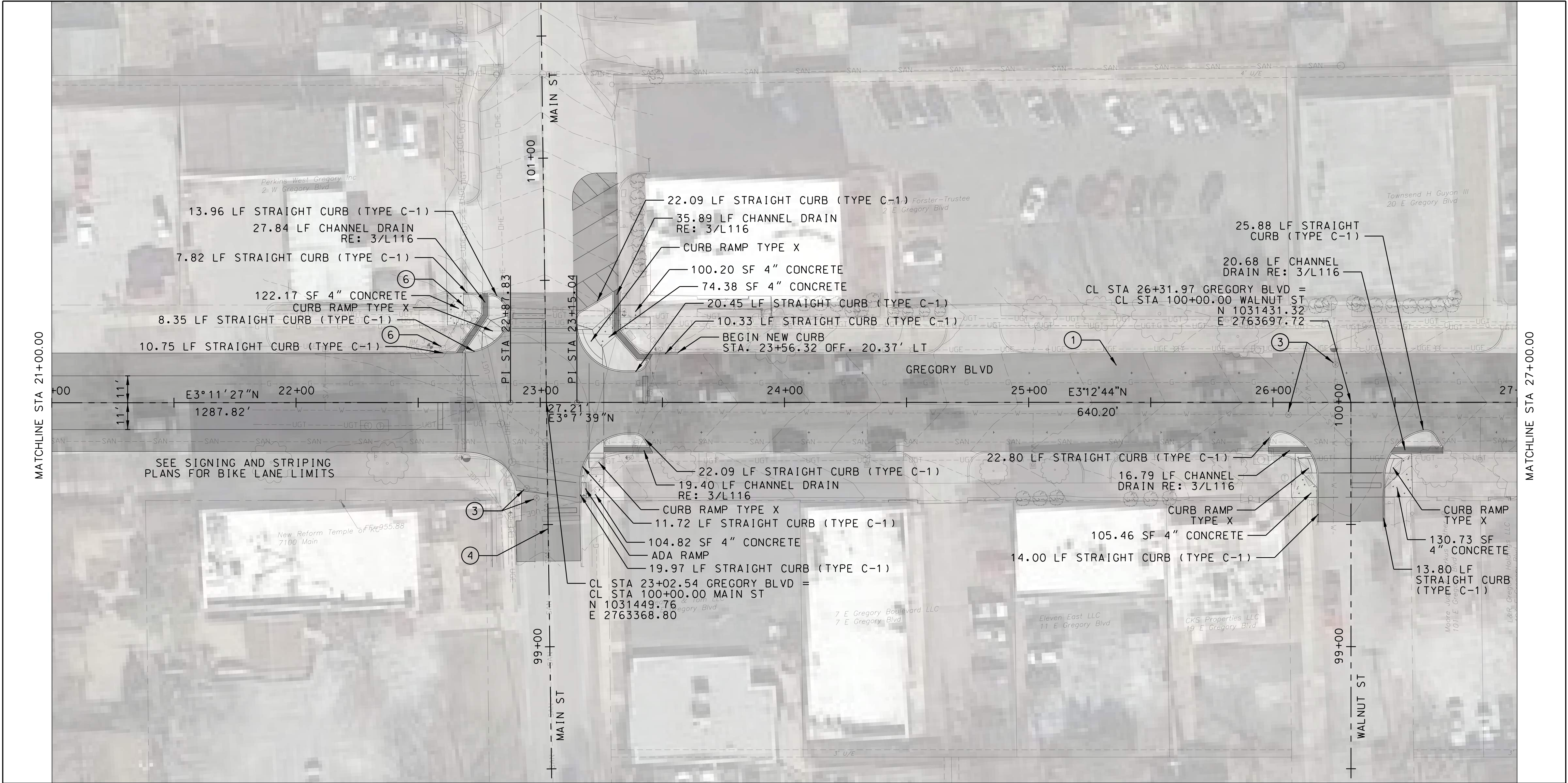
⑥ EXISTING STREET LIGHT TO REMAIN

⑦ PROTECT EXISTING TREE

⑧ PROTECT UTILITIES TO REMAIN



REV	DATE	DESCRIPTION	DESIGNED BY	WHM			60% SUBMITTAL	DATE:04/02/21	<div>GREGORY BOULEVARD STREETSCAPE</div> <div>GREGORY BOULEVARD ROADWAY PLAN STA 15+00.00 TO STA 21+00.00</div>	SCALE FOR 22"x34": AS NOTED FILENAME: 75525 - L102.dgn CONTRACT NO.:	
			CHECKED BY	CJH			 <div>The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201</div>	NOT FOR CONSTRUCTION		VOLUME: #1	
			DRAWN BY	JWP						DRAWING NO.:	
			CHECKED BY	WHM						SHEET NO.:	
			APPROVED BY								
PLOT DATE: 04/02/21			12:05:28 PM		DATE					L102	9



KEY NOTES

- ① SAW CUT AND REMOVE FULL DEPTH PAVEMENT

② RAISE EXISTING GAS VALVE COVER TO MATCH FINISH GRADE

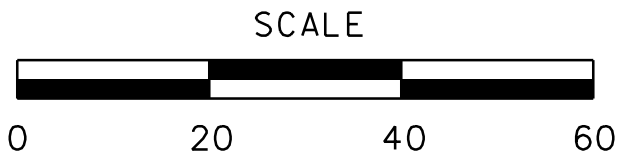
③ RAISE EXISTING WATER COVER TO MATCH FINISH GRADE


④ ADJUST STREET CROWN TO DIRECT RUN-OFF TO EXISTING INLET
- ⑤ REPLACE DRAIN BASIN RIM AND INSTALLED SALVAGED GRATES

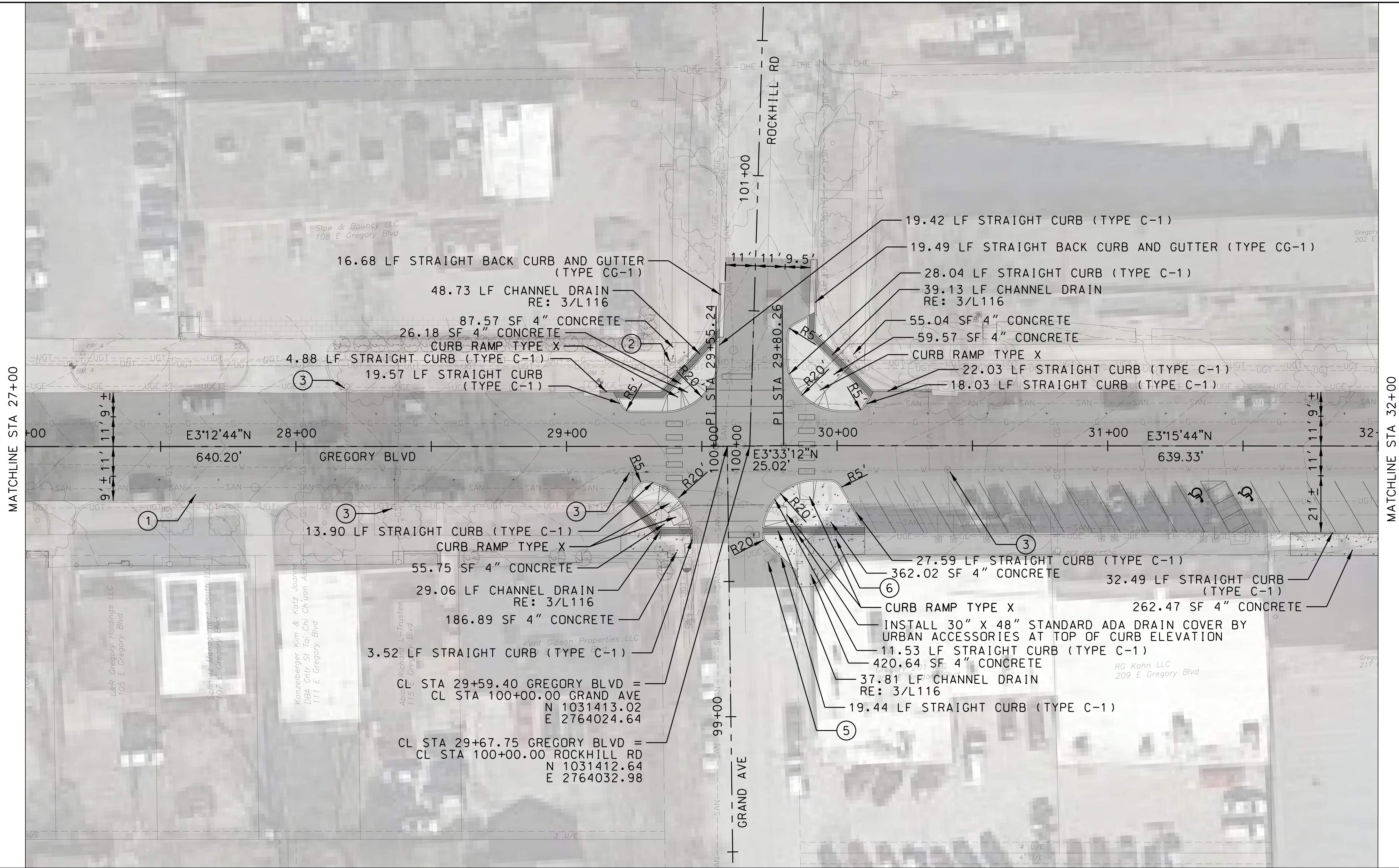
⑥ EXISTING STREET LIGHT TO REMAIN

⑦ PROTECT EXISTING TREE

⑧ PROTECT UTILITIES TO REMAIN



REV	DATE	DESCRIPTION	DESIGNED BY	WHM			60% SUBMITTAL	DATE:04/02/21	GREGORY BOULEVARD STREETScape	GREGORY BOULEVARD ROADWAY PLAN STA 21+00.00 TO STA 27+00.00	SCALE FOR 22"x34":	
			CHECKED BY	CJH			HNTB The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201				AS NOTED	
			DRAWN BY	JWP							FILENAME:	
											75525 - L103.dgn	
			CHECKED BY	WHM							CONTRACT NO.:	
			APPROVED BY						VOLUME:			
									•1			
PLOT DATE: 04/02/21			12:05:35 PM			DATE	NOT FOR CONSTRUCTION		DRAWING NO.:		SHEET NO.:	
									L103		10	



KEY NOTES

- ① SAW CUT AND REMOVE FULL DEPTH PAVEMENT

② RAISE EXISTING GAS VALVE COVER TO MATCH FINISH GRADE

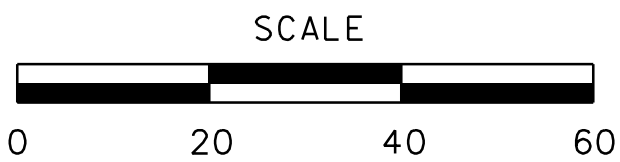
③ RAISE EXISTING WATER COVER TO MATCH FINISH GRADE

④ ADJUST STREET CROWN TO DIRECT RUN-OFF TO EXISTING INLET
- ⑤ REPLACE DRAIN BASIN RIM AND INSTALLED SALVAGED GRATES

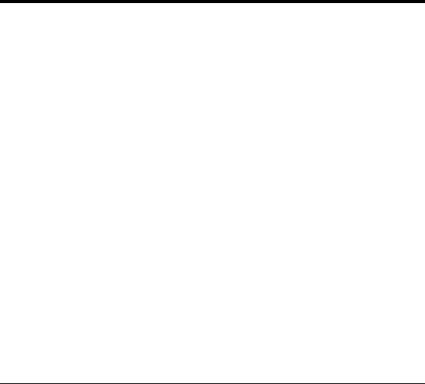
⑥ EXISTING STREET LIGHT TO REMAIN

⑦ PROTECT EXISTING TREE

⑧ PROTECT UTILITIES TO REMAIN

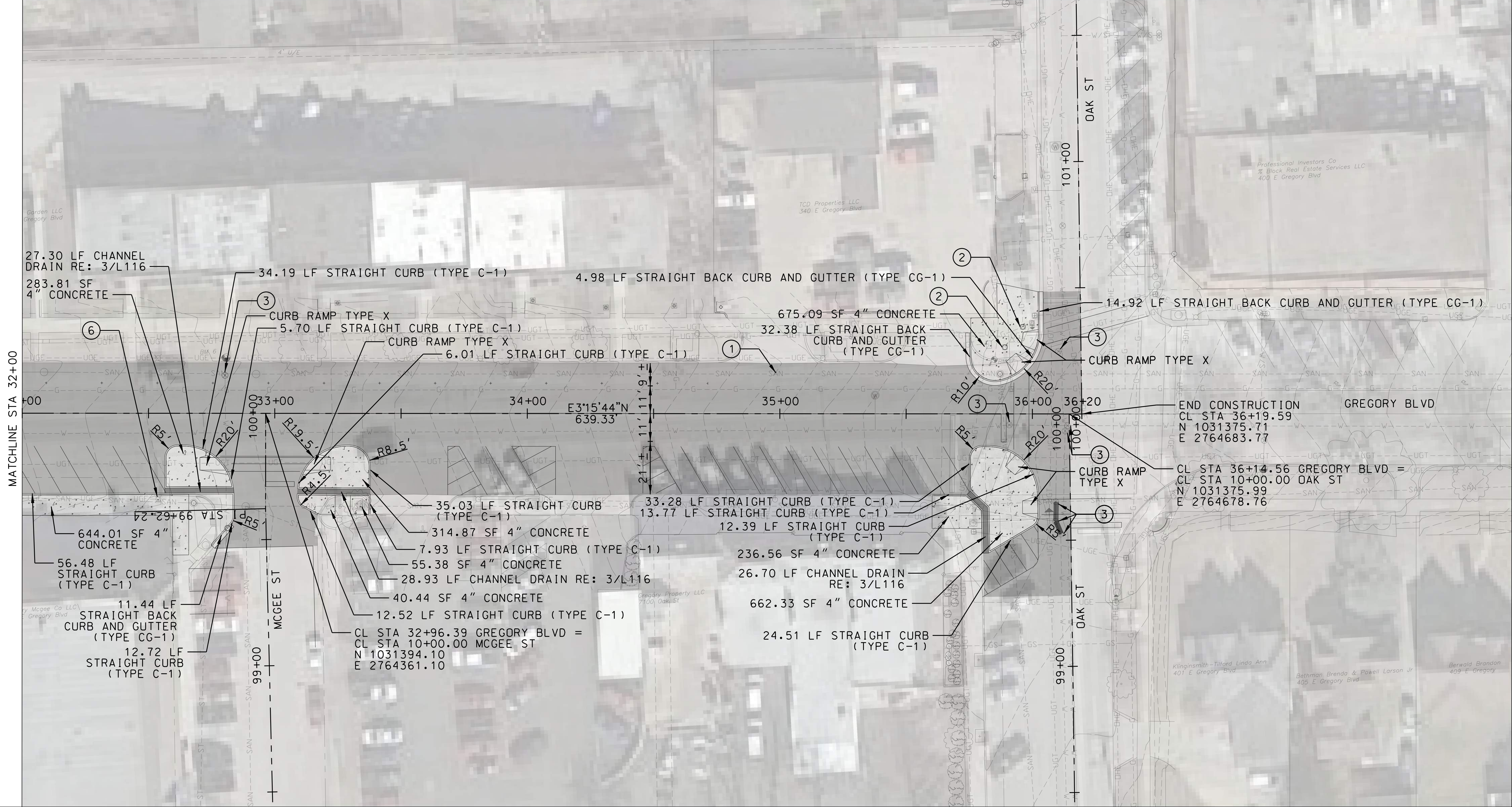


REV	DATE	DESCRIPTION	DESIGNED BY	WHM
			CHECKED BY	CJH
			DRAWN BY	JWP
			CHECKED BY	WHM
			APPROVED BY	
PLOT DATE: 04/02/21			12:06:21 PM	
			DATE	



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HNTB The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201	
NOT FOR CONSTRUCTION	

GREGORY BOULEVARD STREETScape		SCALE FOR 22"x34": AS NOTED
GREGORY BOULEVARD ROADWAY PLAN STA 27+00.00 TO STA 32+00.00		FILENAME: 75525 - L104.dgn CONTRACT NO.:
		VOLUME: #1
		DRAWING NO.: SHEET NO.:
		L104 11



KEY NOTES

- ① SAW CUT AND REMOVE FULL DEPTH PAVEMENT

② RAISE EXISTING GAS VALVE COVER TO MATCH FINISH GRADE

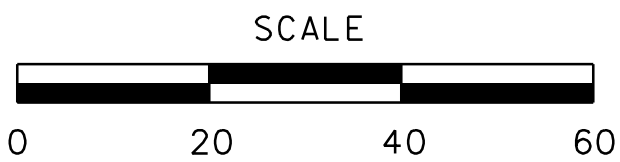
③ RAISE EXISTING WATER COVER TO MATCH FINISH GRADE

④ ADJUST STREET CROWN TO DIRECT RUN-OFF TO EXISTING INLET
- ⑤ REPLACE DRAIN BASIN RIM AND INSTALLED SALVAGED GRATES

⑥ EXISTING STREET LIGHT TO REMAIN

⑦ PROTECT EXISTING TREE

⑧ PROTECT UTILITIES TO REMAIN



REV	DATE	DESCRIPTION	DESIGNED BY	WHM
			CHECKED BY	CJH
			DRAWN BY	JWP
			CHECKED BY	WHM
			APPROVED BY	
PLOT DATE: 04/02/21			DATE	12:06:29 PM

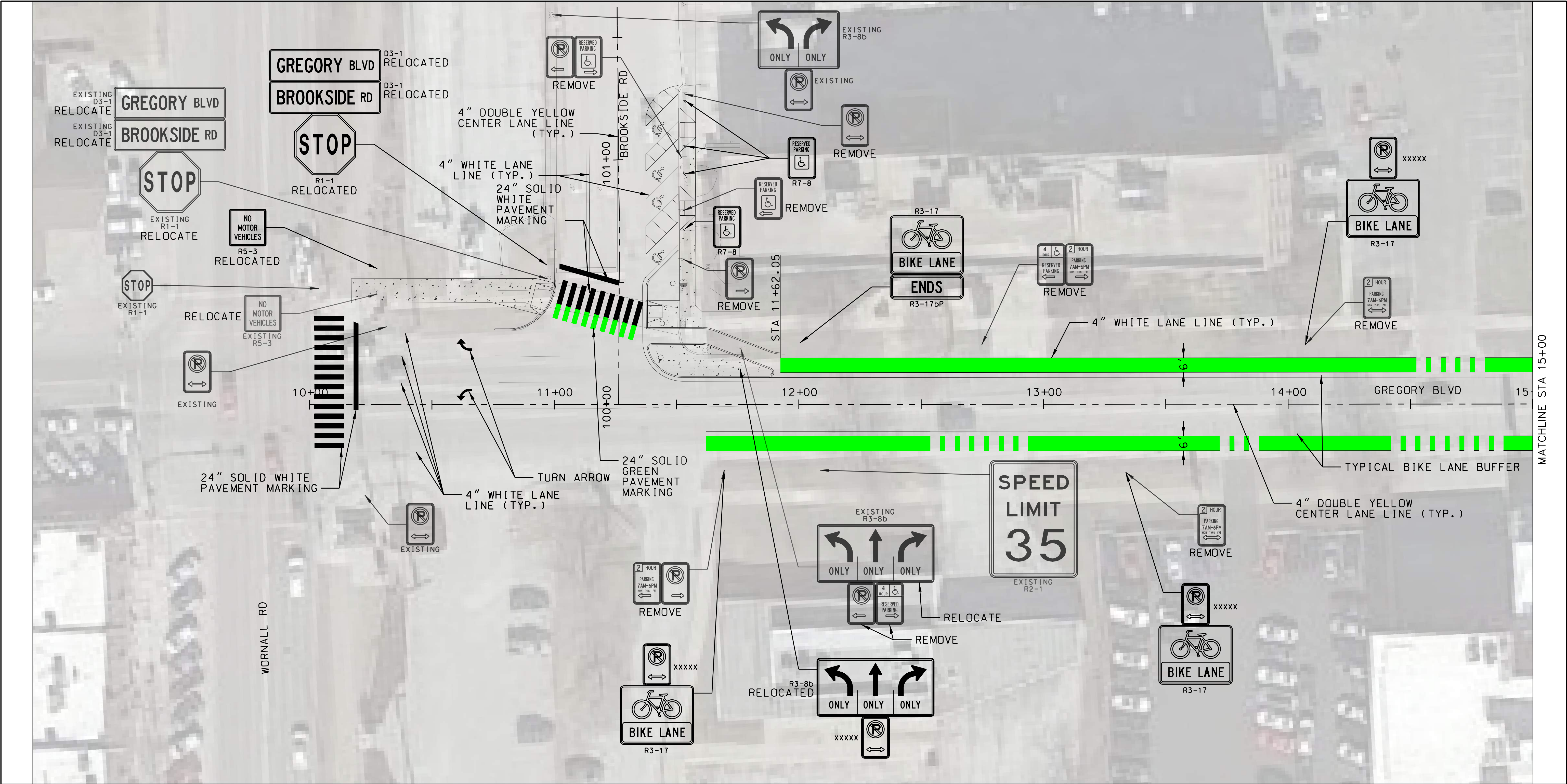


60% SUBMITTAL	DATE: 04/02/21
HNTB The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201	
NOT FOR CONSTRUCTION	

GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
ROADWAY PLAN
STA 33+00.00 TO STA 36+19.59

SCALE FOR 22"x34": AS NOTED FILENAME: 75525 - L105.dgn CONTRACT NO.:	
VOLUME: #1	DRAWING NO.: SHEET NO.:
L105	12



REV	DATE	DESCRIPTION

DESIGNED BY
WHM

CHECKED BY
CJH

DRAWN BY
JWP

CHECKED BY
WHM

APPROVED BY

DATE

12:06:43 PM

60% SUBMITTAL

DATE: 04/02/21

HNTB

The HNTB COMPANIES
INFRASTRUCTURE SOLUTIONS
715 KKK Drive
Kansas City, MO 64105
Phone: 816-472-1201

NOT FOR CONSTRUCTION

GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
SIGNING AND STRIPING PLAN
STA 10+00.00 TO STA 15+00.00

SCALE

0

20

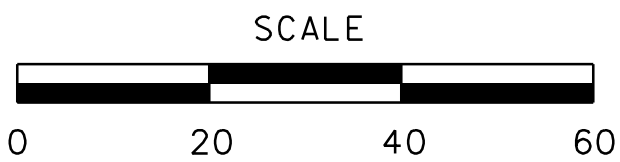
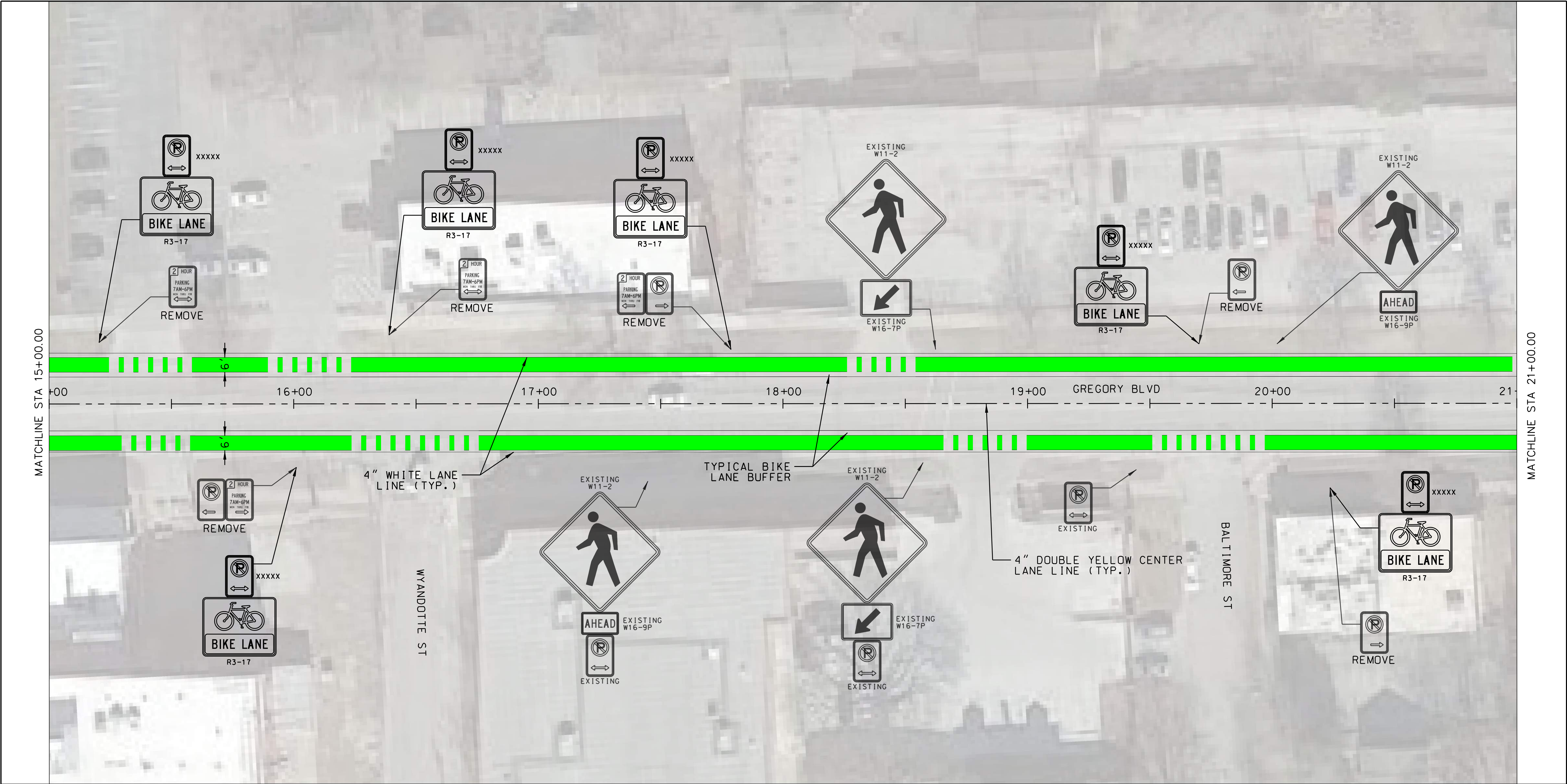
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SCALE FOR 22"x34" :
AS NOTED
FILENAME:
75525 - L106.dgn
CONTRACT NO.:

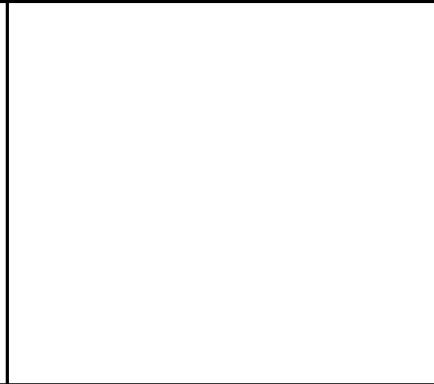
VOLUME:
#1
DRAWING NO.: SHEET NO.:

L10613



REV	DATE	DESCRIPTION
PLOT DATE: 04/02/21		12:06:53 PM

DESIGNED BY	WHM
CHECKED BY	CJH
DRAWN BY	JWP
CHECKED BY	WHM
APPROVED BY	
DATE	



60% SUBMITTAL

DATE:04/02/21

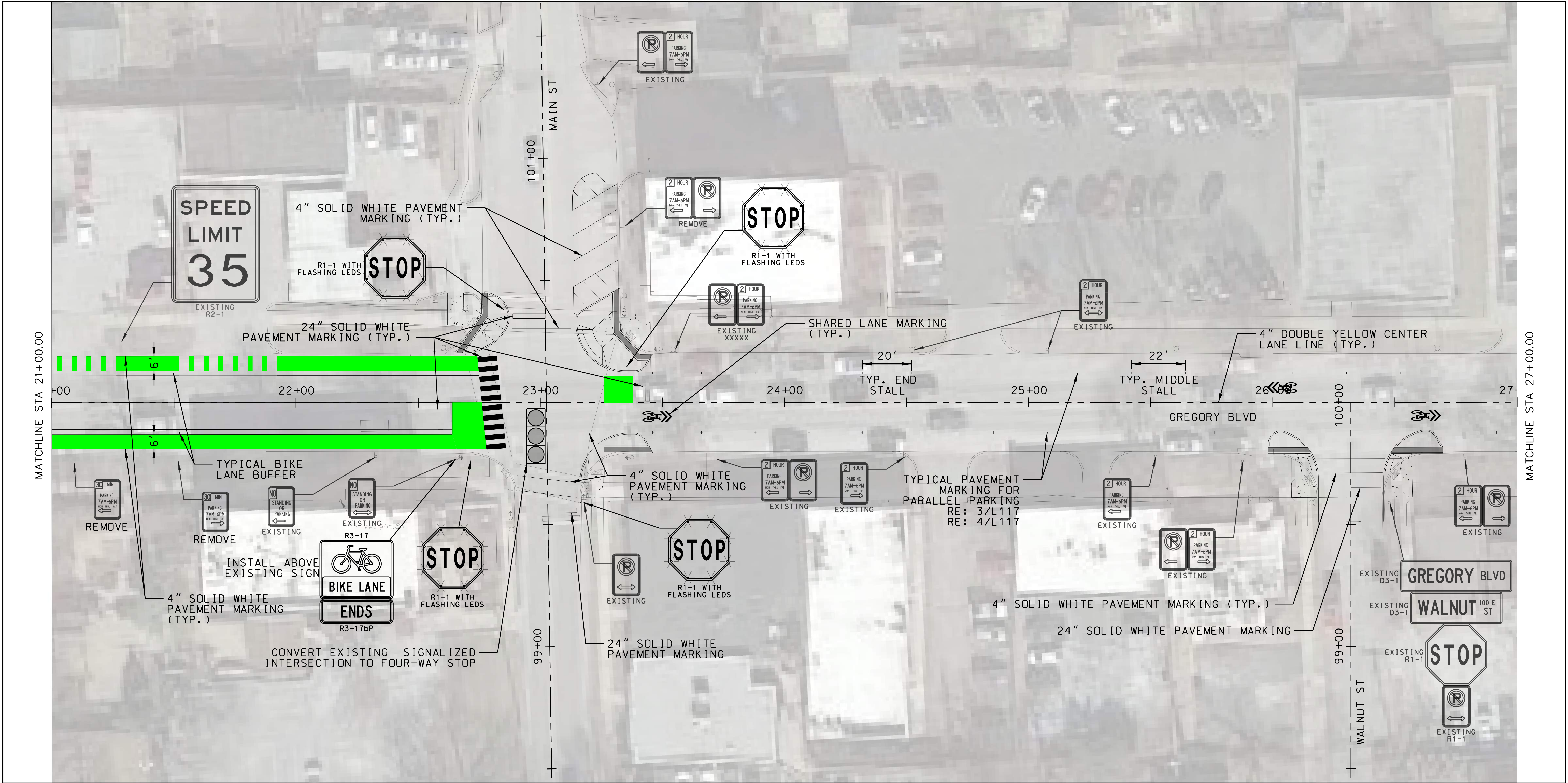
HNTB
The HNTB COMPANIES
INFRASTRUCTURE SOLUTIONS
715 KKK Drive
Kansas City, MO 64105
Phone: 816-472-1201

NOT FOR CONSTRUCTION

GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
SIGNING AND STRIPING PLAN
STA 15+00.00 TO STA 21+00.00

SCALE FOR 22"x34":
AS NOTED
FILENAME:
75525 - L107.dgn
CONTRACT NO.:
VOLUME:
#1
DRAWING NO.: SHEET NO.:
L107 14



REV

DATE

DESCRIPTION

DESIGNED BY

WHM

CHECKED BY

CJH

DRAWN BY

JWP

CHECKED BY

WHM


APPROVED BY

PLOT DATE:

04/02/21

DATE

12:07:01 PM



60% SUBMITTAL

DATE: 04/02/21

HNTB
The HNTB COMPANIES
INFRASTRUCTURE SOLUTIONS
715 K&K Drive
Kansas City, MO 64105
Phone: 816-472-1201

NOT FOR CONSTRUCTION

GREGORY BOULEVARD STREETScape

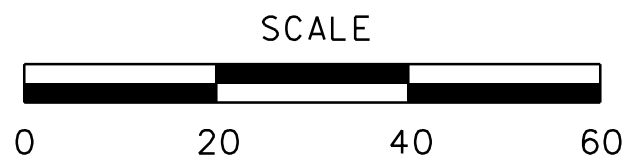
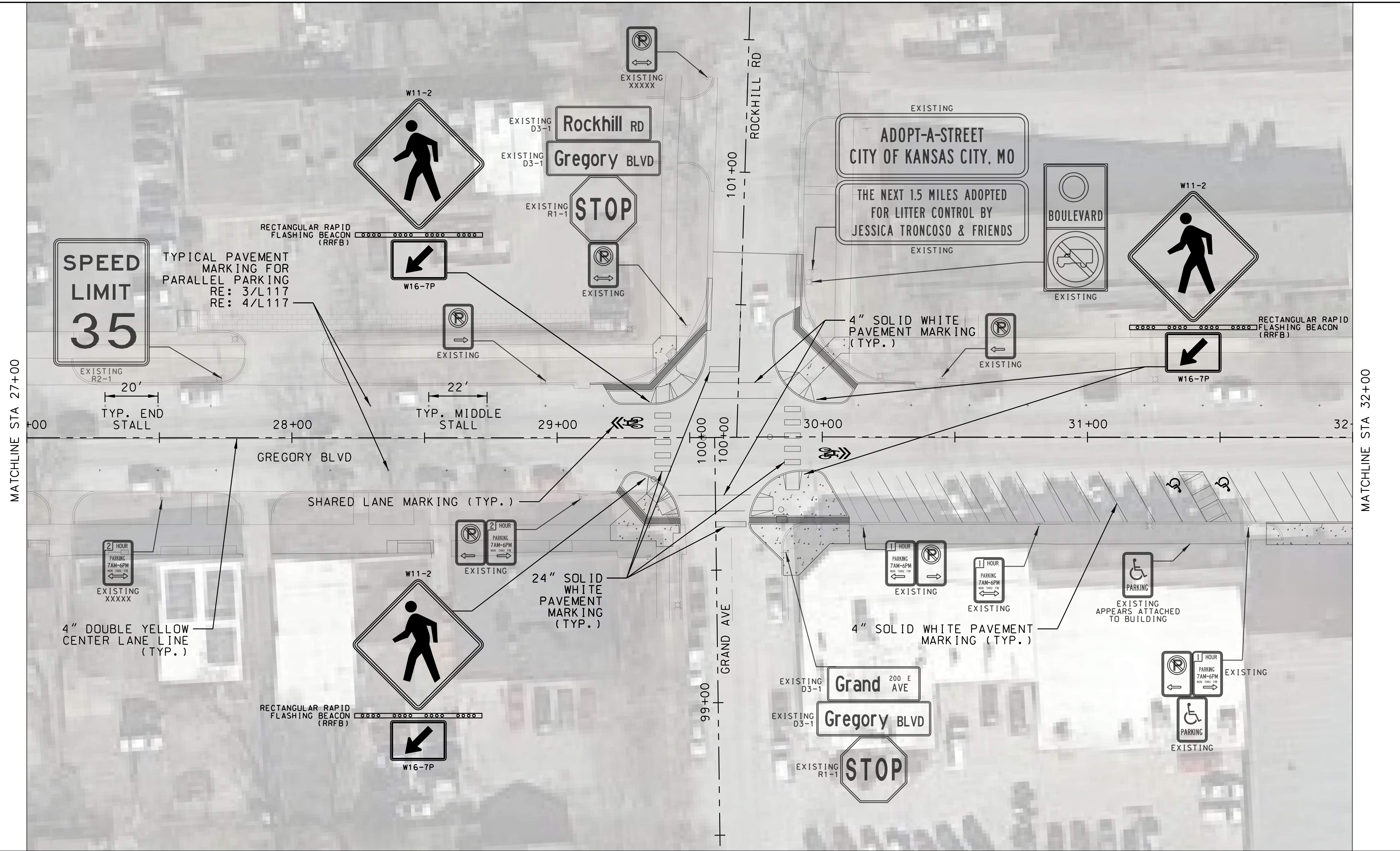
**GREGORY BOULEVARD
SIGNING AND STRIPING PLAN
STA 21+00.00 TO STA 27+00.00**

SCALE FOR 22"x34":
AS NOTED
FILENAME:
75525 - L108.dgn
CONTRACT NO.:

VOLUME:
#1

DRAWING NO.: SHEET NO.:

L108 15



REV	DATE	DESCRIPTION

DESIGNED BY	WHM
CHECKED BY	CJH
DRAWN BY	JWP
CHECKED BY	WHM
APPROVED BY	



60% SUBMITTAL

DATE: 04/02/21

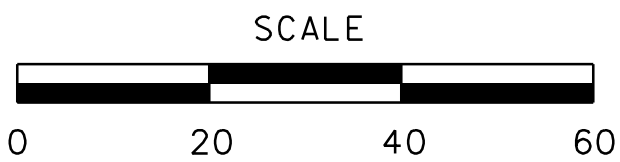
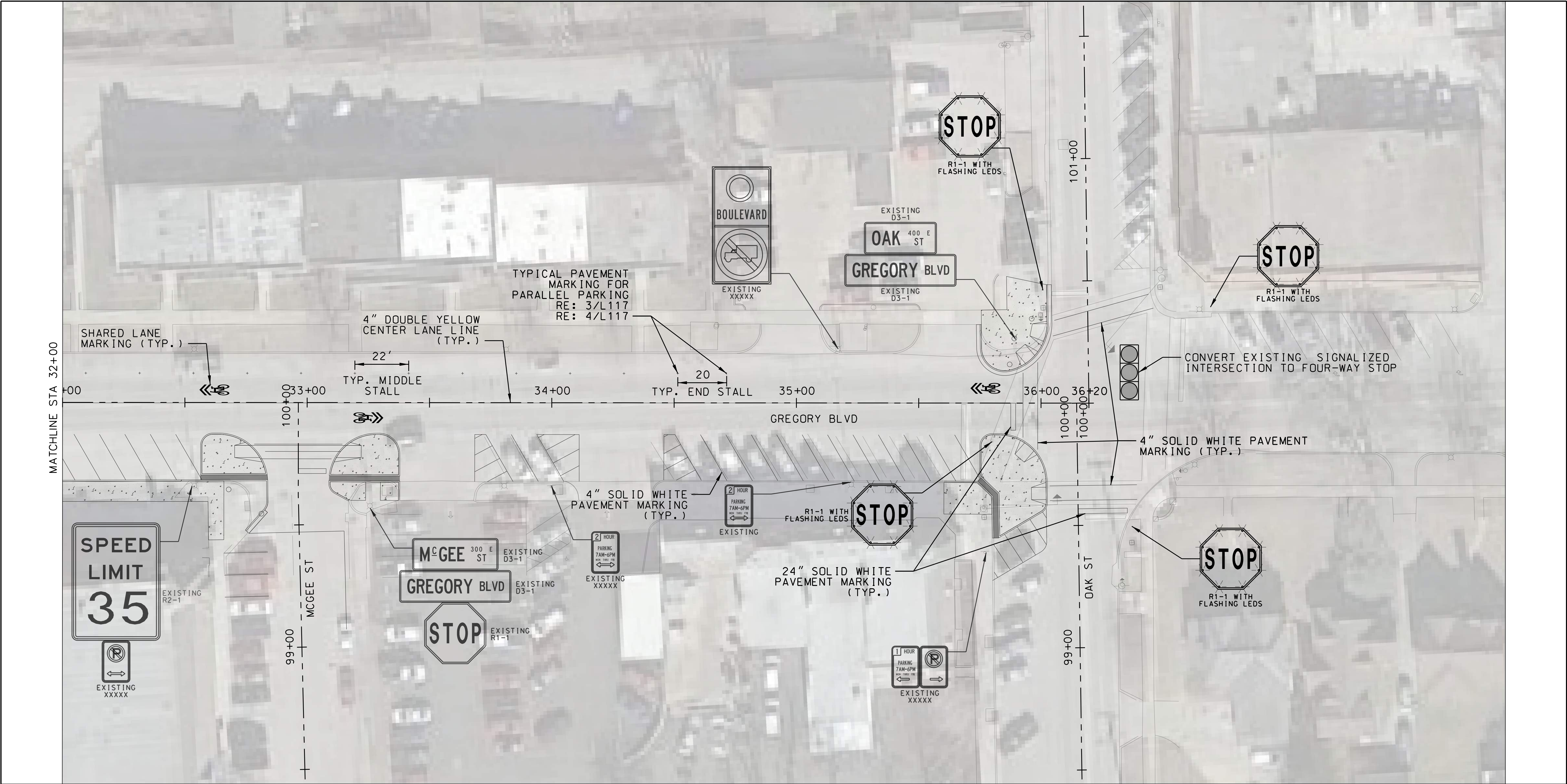
HNTB
The HNTB COMPANIES
INFRASTRUCTURE SOLUTIONS
715 KKK Drive
Kansas City, MO 64105
Phone: 816-472-1201

NOT FOR CONSTRUCTION

GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
SIGNING AND STRIPING PLAN
STA 27+00.00 TO STA 32+00.00

SCALE FOR 22"x34": AS NOTED FILENAME: 75525 - L109.dgn CONTRACT NO.:	
VOLUME: #1 DRAWING NO.:	SHEET NO.:
L109	16



REV	DATE	DESCRIPTION

DESIGNED BY	WHM
CHECKED BY	CJH
DRAWN BY	JWP
CHECKED BY	WHM
APPROVED BY	



60% SUBMITTAL

DATE: 04/02/21

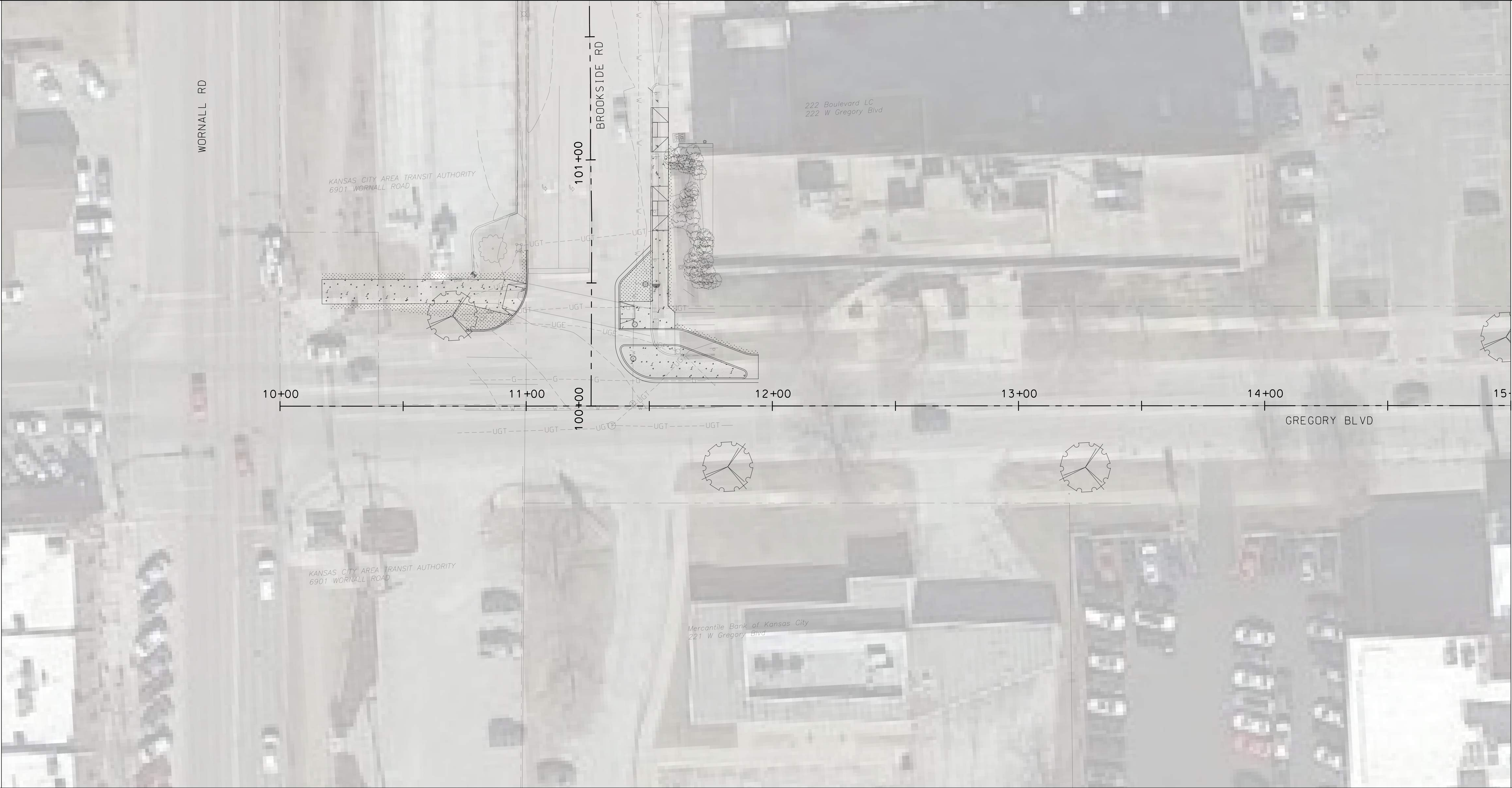
HNTB
The HNTB COMPANIES
INFRASTRUCTURE SOLUTIONS
715 KKK Drive
Kansas City, MO 64105
Phone: 816-472-1201

NOT FOR CONSTRUCTION

GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
SIGNING AND STRIPING PLAN
STA 33+00.00 TO STA 36+19.59

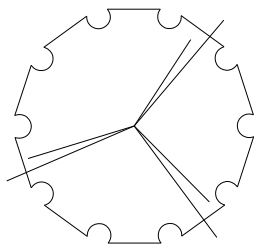
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DRAWING NO.:	SHEET NO.:
L110	17



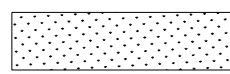
LANDSCAPE NOTES

- 1. ALL DISTURBED AREAS OF THE SITE WHICH ARE SCHEDULED TO BE SODDED SHALL RECEIVE TOPSOIL. TOPSOIL TO BE INSTALLED TO A MINIMUM 6" DEPTH OR TO MATCH THE TOP OF CURB ELEVATION.
- 2. SEE C-XXX FOR PLANT SCHEDULE

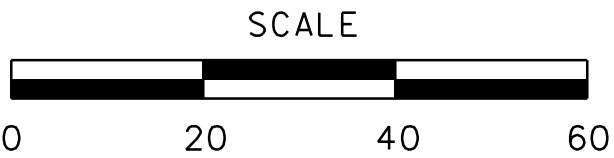
LEGEND



- 2" CAL. STREET TREE
SPECIES INCLUDE:
- SWAMP WHITE OAK (QUERCUS BICOLOR)
 - CADDO MAPLE (ACER SACCHARUM 'AUTUMN SPLENDOR')
 - ELM (ULMUS CARPINIFOLIA X PARVIFOLIA 'FRONTIER')
 - ZELKOVA (ZELKOVA SERRATA 'MUSASHINO')



SOD



REV	DATE	DESCRIPTION	DESIGNED BY	WHM
			CHECKED BY	CJH
			DRAWN BY	JWP
			CHECKED BY	WHM
			APPROVED BY	
PLOT DATE: 04/02/21			12:07:27 PM	DATE



60% SUBMITTAL	DATE:04/02/21
HNTB The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201	
NOT FOR CONSTRUCTION	

GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
LANDSCAPE PLAN
STA 10+00.00 TO STA 15+00.00

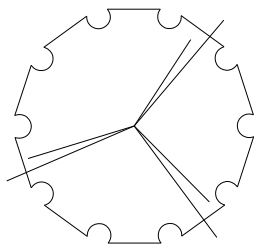
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VOLUME: #1	
DRAWING NO.:	SHEET NO.:
L111	18



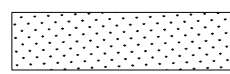
LANDSCAPE NOTES

- 1. ALL DISTURBED AREAS OF THE SITE WHICH ARE SCHEDULED TO BE SODDED SHALL RECEIVE TOPSOIL. TOPSOIL TO BE INSTALLED TO A MINIMUM 6" DEPTH OR TO MATCH THE TOP OF CURB ELEVATION.
- 2. SEE C-XXX FOR PLANT SCHEDULE

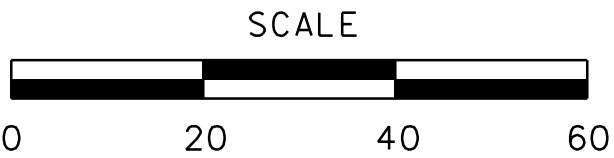
LEGEND



- 2" CAL. STREET TREE
SPECIES INCLUDE:
- SWAMP WHITE OAK (QUERCUS BICOLOR)
 - CADDO MAPLE (ACER SACCHARUM 'AUTUMN SPLENDOR')
 - ELM (ULMUS CARPINIFOLIA X PARVIFOLIA 'FRONTIER')
 - ZELKOVA (ZELKOVA SERRATA 'MUSASHINO')



SOD



REV	DATE	DESCRIPTION	DESIGNED BY	WHM
			CHECKED BY	CJH
			DRAWN BY	JWP
			CHECKED BY	WHM
			APPROVED BY	
PLOT DATE: 04/02/21		12:07:35 PM	DATE	

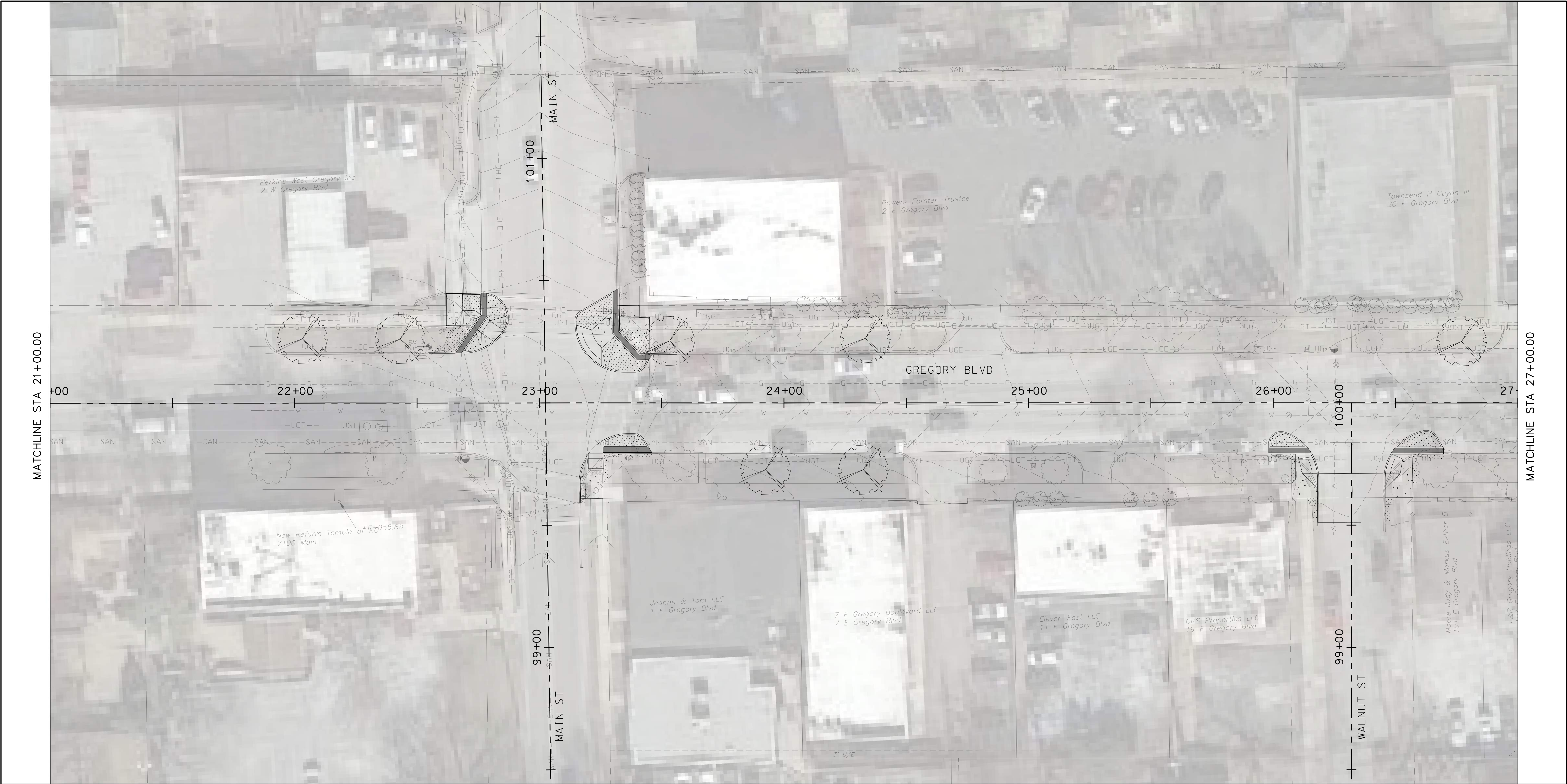


60% SUBMITTAL	DATE:04/02/21
<div><div>HNTB</div><div>The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 KKK Drive Kansas City, MO 64105 Phone: 816-472-1201</div></div>	
NOT FOR CONSTRUCTION	

GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
LANDSCAPE PLAN
STA 15+00.00 TO STA 21+00.00

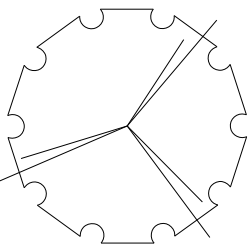
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CONTRACT NO.:	
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L112	19



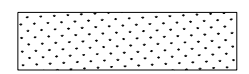
LANDSCAPE NOTES

- 1. ALL DISTURBED AREAS OF THE SITE WHICH ARE SCHEDULED TO BE SODDED SHALL RECEIVE TOPSOIL. TOPSOIL TO BE INSTALLED TO A MINIMUM 6" DEPTH OR TO MATCH THE TOP OF CURB ELEVATION.
- 2. SEE C-XXX FOR PLANT SCHEDULE

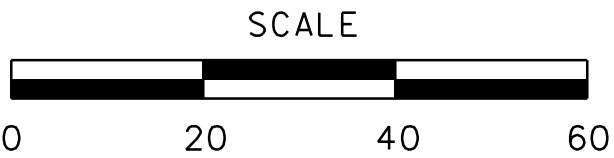
LEGEND



- 2" CAL. STREET TREE
SPECIES INCLUDE:
- SWAMP WHITE OAK (QUERCUS BICOLOR)
 - CADDY MAPLE (ACER SACCHARUM 'AUTUMN SPLENDOR')
 - ELM (ULMUS CARPINIFOLIA X PARVIFOLIA 'FRONTIER')
 - ZELKOVA (ZELKOVA SERRATA 'MUSASHINO')



SOD



REV	DATE	DESCRIPTION	DESIGNED BY	WHM
			CHECKED BY	CJH
			DRAWN BY	JWP
			CHECKED BY	WHM
			APPROVED BY	
PLOT DATE: 04/02/21			DATE	12:07:43 PM



60% SUBMITTAL	DATE: 04/02/21
HNTB The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201	
NOT FOR CONSTRUCTION	

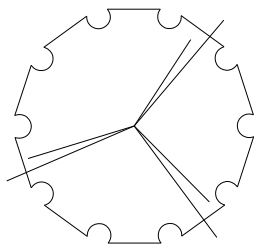
GREGORY BOULEVARD STREETScape		SCALE FOR 22"x34": AS NOTED
GREGORY BOULEVARD LANDSCAPE PLAN STA 21+00.00 TO STA 27+00.00		FILENAME: 75525 - L113.dgn CONTRACT NO.:
		VOLUME: #1
		DRAWING NO.: SHEET NO.:
		L113 20



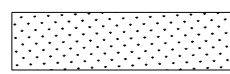
LANDSCAPE NOTES

- 1. ALL DISTURBED AREAS OF THE SITE WHICH ARE SCHEDULED TO BE SODDED SHALL RECEIVE TOPSOIL. TOPSOIL TO BE INSTALLED TO A MINIMUM 6" DEPTH OR TO MATCH THE TOP OF CURB ELEVATION.
- 2. SEE C-XXX FOR PLANT SCHEDULE

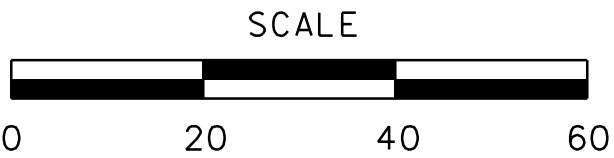
LEGEND



- 2" CAL. STREET TREE
SPECIES INCLUDE:
- SWAMP WHITE OAK (QUERCUS BICOLOR)
 - CADDO MAPLE (ACER SACCHARUM 'AUTUMN SPLendor')
 - ELM (ULMUS CARPINIFOLIA X PARVIFOLIA 'FRONTIER')
 - ZELKOVA (ZELKOVA SERRATA 'MUSASHINO')



SOD



REV	DATE	DESCRIPTION	DESIGNED BY	WHM
			CHECKED BY	CJH
			DRAWN BY	JWP
			CHECKED BY	WHM
			APPROVED BY	
PLOT DATE: 04/02/21			DATE	12:08:00 PM





60% SUBMITTAL	DATE:04/02/21
HNTB The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201	
NOT FOR CONSTRUCTION	

GREGORY BOULEVARD STREETScape

GREGORY BOULEVARD
LANDSCAPE PLAN
STA 33+00.00 TO STA 36+19.59

SCALE FOR 22"x34": AS NOTED	
FILENAME: 75525 - L115.dgn	
CONTRACT NO.:	
VOLUME: #1	
DRAWING NO.:	SHEET NO.:
L115	22

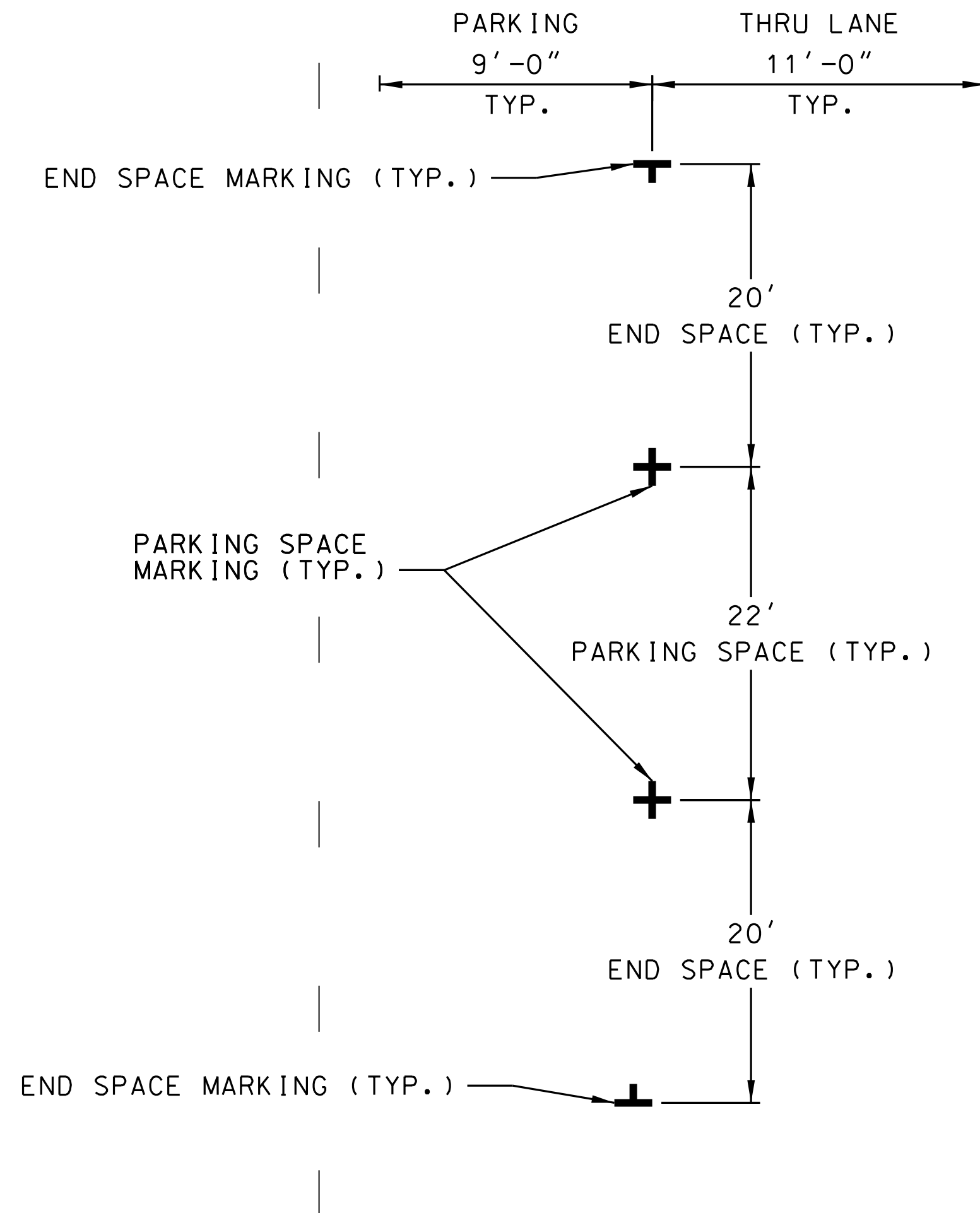


60% SUBMITTAL	DATE: 04/02/21
<div style="text-align: right;">  <p>HNTB The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201</p> </div>	
NOT FOR CONSTRUCTION	

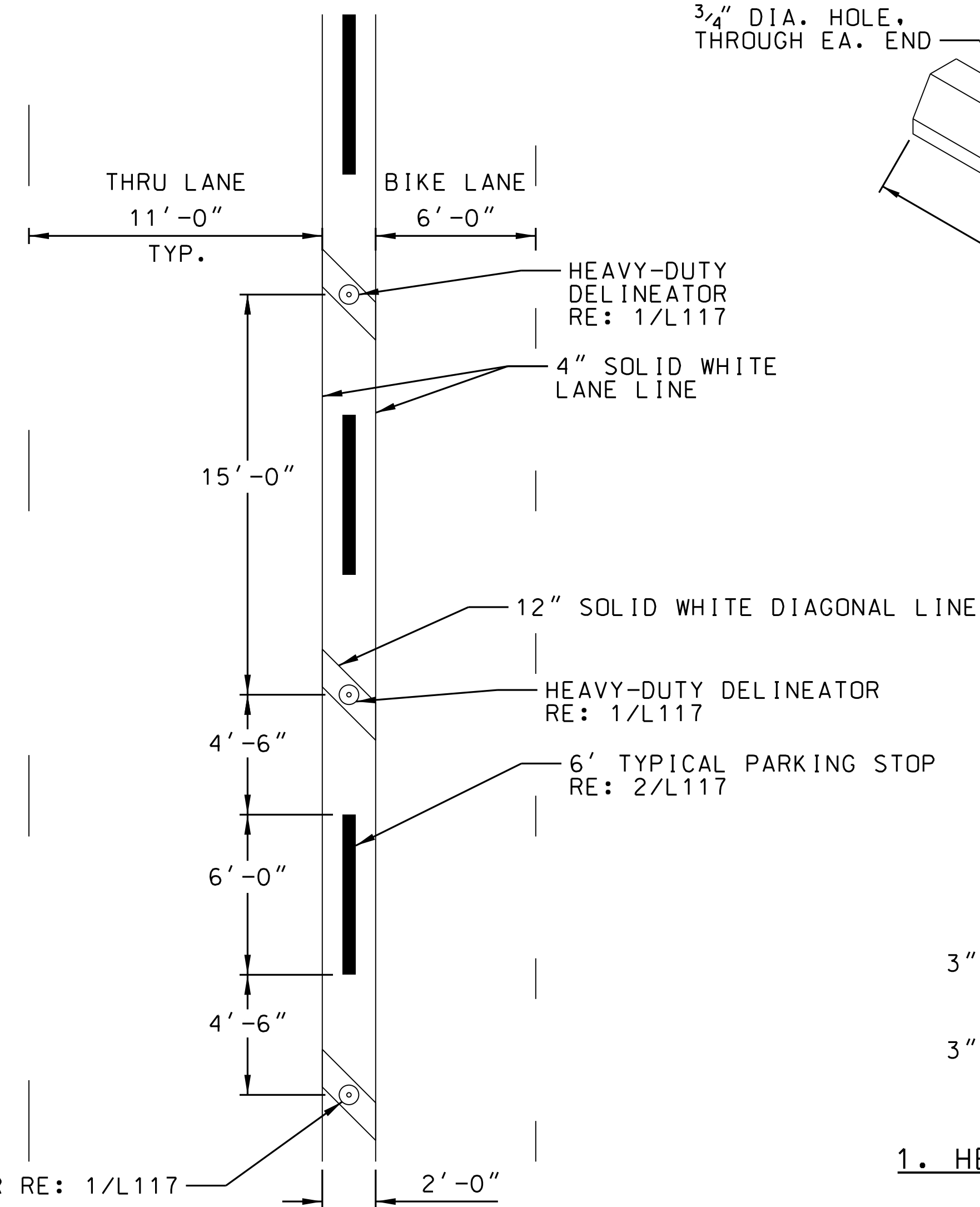
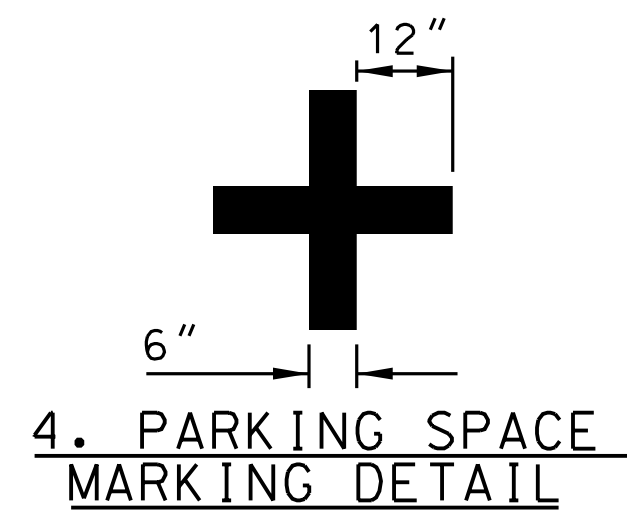
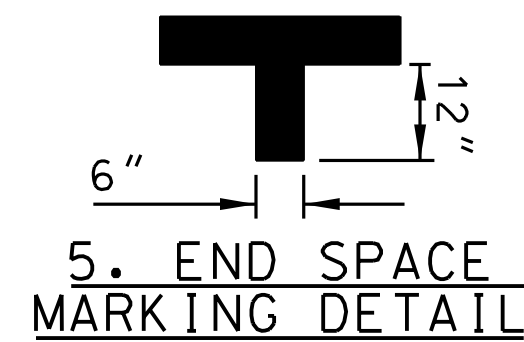
GREGORY BOULEVARD STREETScape

DETAIL 1

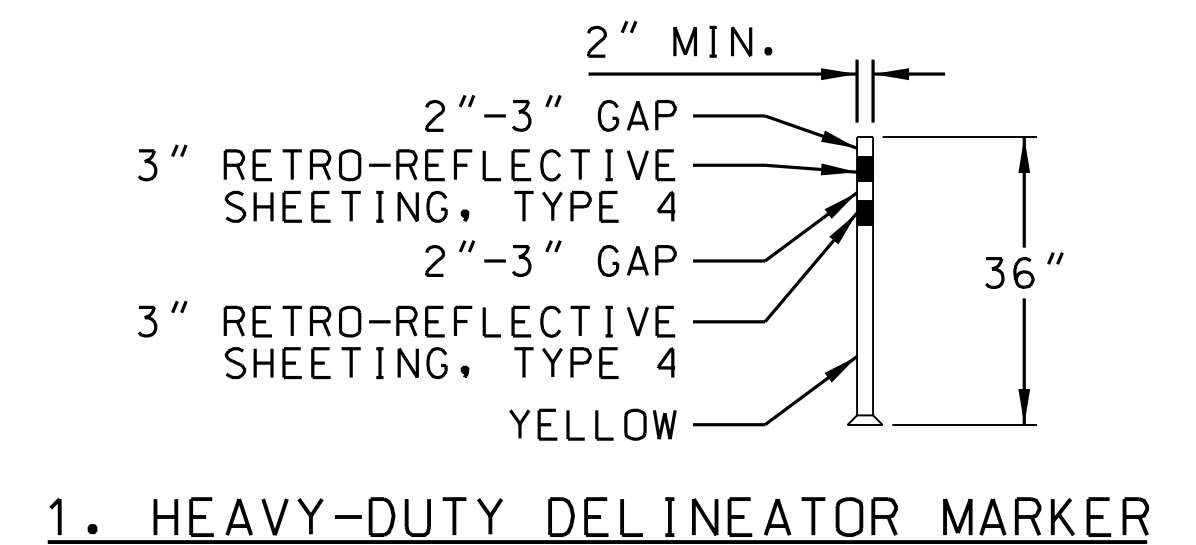
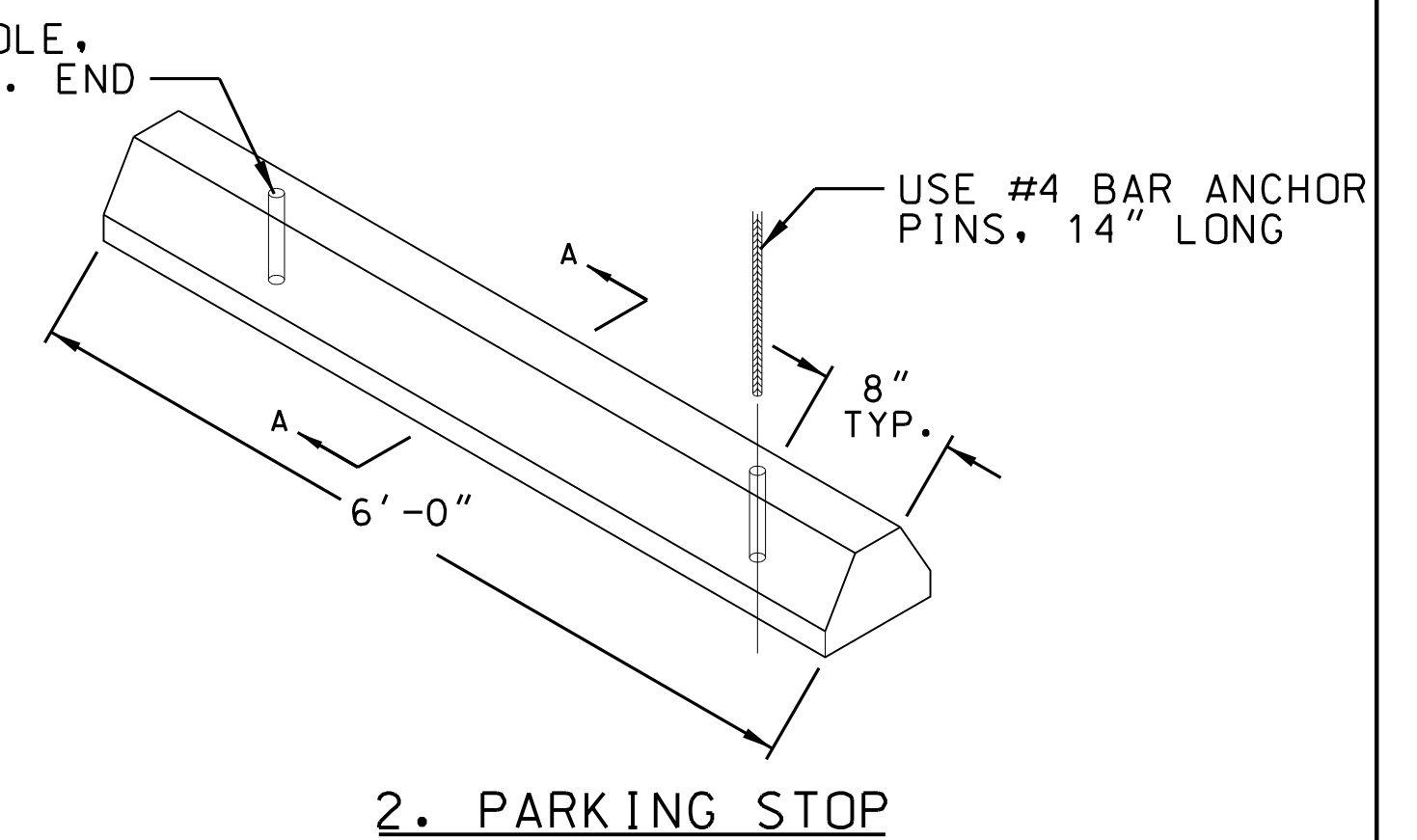
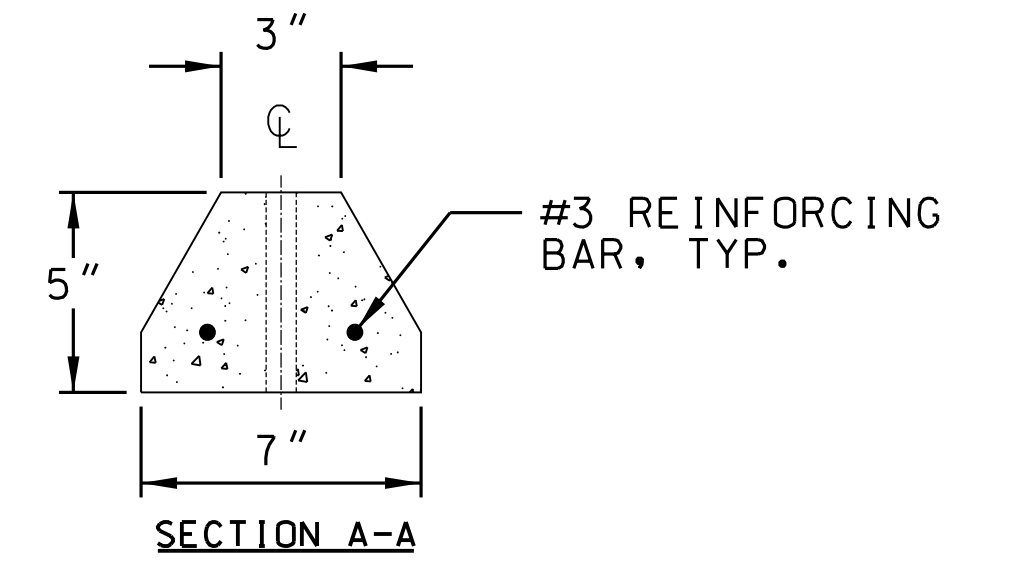
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NOT TO SCALE	
FILENAME:	
75525 - L116.dgn	
CONTRACT NO.:	
VOLUME:	
*1	
DRAWING NO.:	SHEET NO.:
L116	23




6. TYPICAL PARALLEL PARKING DETAIL



3. TYPICAL BIKE LANE BUFFER DETAIL



REV	DATE	DESCRIPTION	DESIGNED BY	WHM			60% SUBMITTAL	DATE:04/02/21	GREGORY BOULEVARD STREETScape	DETAIL 2	SCALE FOR 22"x34": NOT TO SCALE	
			CHECKED BY	CJH			HNTB The HNTB COMPANIES INFRASTRUCTURE SOLUTIONS 715 Kirk Drive Kansas City, MO 64105 Phone: 816-472-1201	NOT FOR CONSTRUCTION			FILENAME: 75525 - L117.dgn	
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			CHECKED BY	WHM							VOLUME: #1	
			APPROVED BY								DRAWING NO.: SHEET NO.:	
PLOT DATE: 04/02/21			12:08:11 PM		DATE	04/02/21			L117	24		